Environmental
Waste
Management
Associates

REMEDIAL INVESTIGATION REPORT/ REMEDIAL ACTION WORKPLAN (RIR/RAW)

Property Known As:

Three Y, LLC Properties
163 Old River Road, Block 93, Lots 1 and 2
Edgewater, Bergen County, New Jersey

Prepared for:

Three Y, LLC
115 River Road, Suite 101
Edgewater, New Jersey

August 30, 2006

Submitted by:

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1.0 INTRODUCTION

Three Y, LLC (Three Y) retained Environmental Waste Management Associates, LLC (EWMA) to prepare this Remedial Investigation Report/ Remedial Action Workplan (RIR/RAW) for documenting the results of a soil and ground water investigation conducted on its subject property located at 163 Old River Road, Edgewater, NJ (Block 93, Lots 1 & 2) (Figure 1). The investigation was conducted following the work proposed and procedures outlined in the October 27, 2004 Remedial Investigation Workplan (RIW) prepared by EWMA. The initial field investigation was undertaken in February and March of 2005. Additional investigations were performed in August and November, 2005.

The subject property is currently proposed for redevelopment and reuse by Three Y for commercial use. However, the Borough of Edgewater has not yet authorized the proposed redevelopment at the subject property due to the inclusion of the subject property within the limits of the Quanta Resources Corporation (QRC) Superfund site and placement on the National Priority List (NPL) by the United States Environmental Protection Agency (USEPA) in September 2002.

Based upon a review of the available public information, Three Y states that USEPA's description of the QRC site limits outlined in the initial proposal of January 2001 to add it to the NPL List did not include the limits of the subject property (i.e. Block 93, Lots 1 and 2). However, USEPA revised the QRC site description in the final proposal to include the subject property, which was subsequently placed on the NPL List. Three Y contends that USEPA's subsequent inclusion of the subject property within the QRC site limits and its placement on the NPL List was arbitrary and based on inadequate environmental data.

Three Y wishes to seek a delisting of the subject property from the NPL List and gain approval for the redevelopment of the subject property from USEPA and the Borough of Edgewater. To this end, Three Y has voluntarily undertaken the soil and ground water investigation, as covered by this report, in order to evaluate the environmental conditions at the subject property, and to conduct any additional delineation and/or remediation necessary in order to achieve its desired goals. A review of past investigation reports related to the QRC site and correspondences among relevant parties indicates that USEPA has previously suggested and/or acknowledged a need for further investigation on the subject property in order to determine any impacts from the former QRC operations.

The objectives of EWMA's soil and ground-water investigation described in this report were as follows:

- To determine the presence of soil and/or ground-water contamination on the subject property that may be directly related to or from industrial operations associated with the adjacent QRC Superfund site. Specifically, the investigation evaluated the presence of

source contamination related to coal-tar and waste-oil products primarily used as part of the past operations at the QRC site;

- To delineate horizontal and vertical extent of the source contamination in soil and ground water through a combination of visual observation, photo-ionization detector (PID) screening, field-screening kit (i.e. "Oil-in-Soil" or Sudan IV kit) for field-based rapid decision making, and laboratory analysis; this is for CVOCs
- To determine if soil and/or ground-water contamination exists above the current regulatory clean-up criteria. For this purpose, EWMA has used the New Jersey Department of Environmental Protection (NJDEP) Soil Cleanup Criteria (SCC) and Ground Water Quality Standards (GWQS);
- To determine if remediation, engineering controls, and/or institutional controls would be necessary to ensure compliance with the NJDEP criteria and standards prior to the redevelopment of the subject property.

2.0 BACKGROUND

In 1999, Three Y, LLC purchased the property with the intended purpose of redeveloping it for significant commercial use. A restaurant by the name of Jono's is present on the subject property.

On January 11, 2001, the subject property was proposed for inclusion in the USEPA National Priority List (NPL) by the proposed rule 66 Fed. Reg. 2380. The relevant section describes the site in the NPL Listing Notice as follows:

The Quanta Resources Corporation (QRC) site is located at 163 River Road in Edgewater, Bergen County, New Jersey. The site covers approximately 8 acres since the expansion of River Road took over a portion of the site. The site property is bordered to the north by the Celotex Industrial Park, to the south by the former Spencer-Kellogg Industrial Park, to the west by River Road, and to the east by the Hudson River.

Under the Administrative Consent Order (ACO) with USEPA, Honeywell (formerly Allied-Signal), the principal responsible party (PRP) for the QRC site, contracted GeoSyntec Consultants to conduct a Removal Site Investigation (RSI) at the QRC site. This investigation was conducted in 1998 and 1999 and included the collection of surface and subsurface soil samples collected from QRC property as well as from properties in the vicinity of the QRC property, ground water samples collected from monitoring wells, and sediment samples collected from the Hudson River. Based on the results of activities conducted during the RSI, heavy coal-tar product was found in the subsurface and estimated to extend from the area west of where the new River Road exists (i.e. on adjacent Lot 3) to approximately 750 feet into the Hudson River. However, the western extent of the coal-tar (on Lot 3) was based on one (1) former soil boring location where a hard coal-tar pitch was identified at a depth of seven (7) feet below ground surface. This description is consistent with a former parking lot in this are prior to the

construction of the New River Road, and may have been used by USEPA to define the western limits of coal-tar.

The description of the site outlined above was based upon the information available at the time the site was scored by USEPA for the NPL listing. The description was subject to change based upon any additional information that might be gathered on the sources and extent of contamination.

A review of the USEPA Hazard Ranking System (HRS) documentation indicates that USEPA relied heavily on the GeoSyntec RSI report for the ranking and addition of the QRC site on the NPL List, as well as establishing the limits of potential impacts from sources associated with the former QRC operations.

The GeoSyntec RSI report initially outlined the description of the QRC site as described above. However, upon review, USEPA requested that the aerial extent of the site be expanded to the area immediately west of the New River Road in order to encompass Block 93, Lot 3. This lot is immediately adjacent to the subject property. This revised aerial extent was reflected in both the Proposed Rule and the HRS Document.

During the time between the Proposed Rule and the Final Rule, neither USEPA nor Honeywell are known to have conducted any additional investigation concerning the QRC site or related contamination.

On April 6, 2001, less than a month after the close of the public comments to the Proposed Rule, USEPA wrote to the Edgewater Borough of Land Use Administrator (EBLUA) affirming that the subject property was not part of the proposed NPL site but was located on the west side of the River Road opposite the Site (referencing the QRC site). The correspondence also indicated that USEPA intended to perform additional sampling on the properties adjacent to the QRC site, including the subject property, but there was no problem with the EBLUA approving the pending land use development plans submitted by Three Y.

Three Y had entered into a long-term lease agreement with Hudson View Properties, LLC for the proposed development of a hotel on the subject property. Prior to construction, Three Y also intended to perform sampling on the subject property in accordance with the USEPA preferences outlined in the April 6, 2001 correspondence.

Following the lease agreement, Three Y sought to obtain building permits for the proposed hotel project from the EBLUA. However, by a letter dated August 26, 2002, USEPA informed the EBLUA that USEPA considers Block 93, Lots 1, 2 & 3 to be part of the QRC Superfund site and instructed the EBLUA to withhold approval of all necessary permits needed for Three Y's redevelopment project.

On September 5, 2002, the USEPA published its Final Rule adding the QRC site to the NPL, with the following description of the QRC site:

The Quanta Resources site is located along the Hudson River in a mixed commercial and residential area in Edgewater, Bergen County, New Jersey. The facility property is bordered to the north by the former Celotex Industrial Park, to the south by the former Spencer-Kellogg Industrial Park, to the west by Old River Road, and to the east by the Hudson River.

Based upon the information available, USEPA's inclusion of the subject property within the limits of the QRC site reflects a conservative approach. However, USEPA has been seeking and has recently supervised further investigation within the subject property and other areas in order to more accurately determine potential impacts from sources associated with QRC operations.

In light of the above events, and prior to any additional investigation under USEPA's oversight, Three Y has voluntarily undertaken the soil and ground-water investigation at the subject property in order to complete the pending investigation. During this investigation process, Three Y has sought and received comments and concurrence on the investigation strategy from Honeywell, the PRP for the QRC site and their designated consultant Parsons Corporation (Parsons).

Three Y wishes to adequately investigate and/or remediate the subject property to applicable regulatory standards in order to proceed with the proposed redevelopment, as well as seek a delisting of the subject property from the NPL and removal from the area considered as QRC Superfund site.

3.0 REMEDIAL INVESTIGATION REPORT

3.1 PHYSICAL SETTING

3.1.1 Physical Conditions of the Site and Surroundings

The Three Y, LLC development site (subject property) is located in Bergen County at 163 Old River Road, Edgewater, New Jersey. The location of the subject property is shown on Figure 1. The subject property is identified as Block 93, Lots 1 & 2 on the November 1959 Tax Map of the Borough of Edgewater.

The subject property is bound to the east by Block 93, Lot 3 (with River Road immediately to the east of Lot 3); to the west by Old River Road; to the north by Gorge Road; and to the south by a privately owned property.

The area to the east of the subject property on the east side of River Road is the main QRC Superfund site. At this time, the subject property is also included within the limits of the QRC site, and represents its western limits. The properties immediately to the north of the QRC site

on the east side of River Road are the Former Celotex Industrial Park and Lusterlon Industrial Park sites.

3.1.2 Geology and Soil

The subject property is located within the Newark Basin of the Piedmont Physiographic Providence of New Jersey, and is located west of and in close proximity to the Hudson River.

The area is underlain by approximately 35 to 55 feet of unconsolidated materials overlying bedrock. Soil borings completed at the property indicate that the unconsolidated materials are composed of up to nine (9) feet of man-emplaced fill overlying the natural, in-place sediments.

The natural sediments consist mainly of a layer of silty clay and clayey silt up to 30 feet thick. Thinner layers of sand are found above and below the silty clay/clayey silt layer.

The bedrock in this area appears to be the Upper Triassic-age Stockton Formation, which consists of sandstone conglomerate and siltstone. The Palisades are located to the west of the subject property, and consist of intrusive bodies such as diabase dikes and sills. The ground elevation in the area of the property is approximately 10-15 feet above mean sea level (MSL).

3.1.3 Hydrogeology

Ground water is present at depths ranging from three (3) to eight (8) feet below grade. Ground-water flow in this area is from west to east, toward the Hudson River. The fill material and sand layers are of relatively high permeability and represent the major ground-water flow zones. The silty clay/clayey silt is a low-permeability zone, and probably acts as a semi-confining layer between the overlying and underlying materials.

The Hudson River (located about 3,000 feet to the east of the property) is tidally influenced, with water-levels fluctuating more than 6 feet during a tidal cycle. Tidal cycles in the Hudson River influence ground-water levels immediately adjacent to the River, but it is anticipated that the tidal fluctuations do not significantly affect the ground-water levels beneath the 163 Old River Road property.

3.1.4 Topography

According to the United States Geological Survey (USGS) 7.5-minute Topographic Map of the Central Park, New York – New Jersey Quadrangle, the site is located approximately 10 feet above mean sea level (MSL). The topography of the site and the adjoining properties is relatively flat, but a steep slope of exposed bedrock is present several hundred feet to the west of the site.

3.1.5 Surface-Water Bodies

The nearest major surface-water body is the Hudson River, which is located approximately 3,000 feet to the east. No other water body is located downgradient of the site.

3.1.6 USGS 7.5 Minute Topographic Map

A copy of the USGS topo map, showing the site location, is included as Figure 1.

3.1.7 Land Use within 1,000 Foot Radius

Surrounding properties are a mixture of residential and commercial uses.

3.2 TECHNICAL OVERVIEW

3.2.1 Reliability of Analytical Data

In accordance with N.J.A.C 7:26E-3.13(b)3.i, a reliable laboratory analytical data was generated following the requirements of N.J.A.C. 7:26E-2, Quality Assurance for Sampling and Laboratory Analysis for the samples collected. Samples were collected following the NJDEP's May 1992 *Field Sampling Procedures Manual* (FSPM) and the procedures outlined in EWMA's October 27, 2004 RIW prepared for the subject property.

The laboratory analytical data for the samples are deemed reliable since sample holding times and method detection limits were not exceeded. In addition, Field and Trip Blank samples were generated for quality control purposes. The samples were submitted to Integrated Analytical Laboratories, LLC (IAL), (NJDEP Certified Lab #14751).

3.2.2 Site Contamination Summary

BNAs, metals (arsenic, beryllium, and lead), and VOCs have been detected in soils at concentrations exceeding one or more of the NJDEP Soil Cleanup Criteria (SCC). In ground water, BNAs (benzo[a]pyrene), metals (aluminum, iron, manganese, and sodium), VOCs (benzene), and ammonia were detected at concentrations exceeding the NJDEP Ground Water Quality Standards.

3.2.3 Significant Events or Seasonal Variation

No significant events or seasonal variations were noted.

3.2.4 Summary of Treatability, Bench Scale or Pilot Studies

No treatability or pilot studies were performed.

3.2.5 Summary of Data for Permits

Monitoring well permits are included in **Appendix 3**.

3.2.6 Summary of Ecological Assessments Conducted

An ecological assessment was not conducted.

3.3 FINDINGS FOR RI ACTIVITIES COMPLETED IN FEBRUARY AND MARCH, 2005

3.3.1 Soil Borings and Monitoring-Well Installation

3.3.1.1 Soil Borings

Five (5) soil borings (designated 3Y-1 through 3Y-5) were completed at the site between February 28 and March 8, 2005. Three (3) soil borings were completed along the eastern edge of the property, one (1) soil boring was completed within the northwest corner of the property, and one (1) boring was completed in the southwestern area of the property (**Figure 2**).

Soil borings were completed by Summit Drilling of Bedminster, New Jersey (a New Jersey licensed driller) using a hollow-stem auger rig. Completion of the soil borings was supervised by an EWMA geologist. At each boring, split-spoon samples were collected from the ground surface down to bedrock or split-spoon refusal. Split-spoon samples were collected continuously at Borings 3Y-1, 3Y-2, 3Y-3, and 3Y-4. However, based on the field observations in the previous soil borings and adverse weather conditions, split-spoon samples were collected every five (5) feet in the 20 to 35 foot depth interval in 3Y-5, and continuously throughout the rest of the boring.

The borings were completed at depths ranging from 36 feet below grade (ft bg) at Boring 3Y-3, to 57 ft bg at Boring 3Y-4.

Split-spoon soil samples were examined and described in the field, with special attention being paid to the presence/absence of visible traces of non-aqueous phase liquid (NAPL). All samples were screened for volatile organic compounds using a photo-ionization detector (PID). Several samples (including all suspicious samples) were also tested for the presence of NAPL using a Sudan IV "Oil-in-Soil" field test kit. Information on the Sudan IV test kit is included as **Appendix 1**.

In general, material encountered at all five (5) borings was similar, with four (4) to nine (9) feet of fill material, overlying natural, in-place sediments. The fill is typically dark gray to black, and is composed of sand and silt, with varying amounts of coal dust, coal fragments, cinders, and

occasional construction debris. A layer of asphalt was also encountered in two borings (3Y-2 and 3Y-3) at a depth of between four (4) and five (5) ft bg.

The fill material did not exhibit any unusual staining or odors, elevated PID readings, or noticeable sheens. No visual evidence of NAPL was present, and all of the field tests, including Sudan IV screening tests, were negative for NAPL.

Natural, in-place sediments are present below the fill material. The uppermost natural soils are typically reddish-brown fine to medium sand. The sand extends down to depths ranging from 14 to 23 ft bg. Below the sand (or directly below the fill material in places where the sand is absent), a dense, silty clay to clayey silt layer is present; extending to depths ranging from 29 to 54 ft bg. The color of the silt and clay varies from brown to gray, and it often has a pinkish tinge. Sand laminae are also common within the silt and clay. In Borings 3Y-3 and 3Y-5, the natural soils encountered immediately beneath the fill material (at a depth of approximately nine (9) ft bg) contained abundant roots. This root zone presumably marks the former ground surface, and confirms that the overlying materials are man-emplaced fill.

A layer of fine to coarse sand, ranging from 2.5 to 12 feet thick, was present beneath the silt and clay. Auger/split-spoon refusal (presumed to be bedrock) was encountered at depths ranging from 36 ft bg (at Boring 3Y-3) to 57 ft bg (at Boring 3Y-4).

Ground water was encountered at depths of about six (6) to eight (8) ft bg.

There was no evidence of staining or sheens in the natural materials underlying the fill. No visual evidence of NAPL was present, and all field tests conducted were negative for NAPL.

Soil boring logs are included in **Appendix 2**.

Selected soil samples were submitted for laboratory analysis for Target Compound List/Target Analyte List compounds, plus 30 peaks (TCL/TAL + 30) and ammonia. EWMA collected at least four (4) soil samples from each boring location.

As outlined in the RIW, EWMA proposed to collect one sample from 0" to 6" (and 18" to 24" for volatile organics (VO+10) analysis), one sample from 6" above the ground-water table, one sample from 6" above the confining clay and silt layer, and one sample from 6" above the bedrock surface. However, because of incomplete sample recovery in the split spoons, some of the samples had to be collected from alternate sample depths.

The project RIW also specified an optional fifth (5^{th}) soil sample from each boring, to be collected from any depth where field screening methods (i.e. PID reading, visual observation, or field testing) indicated the potential presence of contamination. The only sample with suspected contamination was collected from Boring 3Y-3 at a depth of 2 to 2.5 feet bg. Materials

encountered at this depth were dark gray to black silt, with a shiny appearance. However, despite the shiny appearance, the sample did not exhibit any trace of NAPL under close examination.

Sample 3Y-2E was submitted for all parameters except VOCs (because the 3Y-2A sample analyzed for VOCs was collected from the same depth).

The same black silt was encountered in several other borings. At other locations, the silt also contained many coal fragments (not coal tar), indicating that the dark gray to black silt is composed mainly of coal dust and crushed coal.

Three (3) additional soil samples were also collected at random depth intervals for Quality Assurance/ Quality Control (QA/QC).

A summary of the samples submitted for laboratory analysis, including their depths and reason for collection, is provided in **Table 1**.

3.3.1.2 Monitoring-Well Installation

One monitoring well, designated 3Y-MW1, was installed on March 3, 2005. Monitoring Well 3Y-MW1 was installed along the eastern edge of the property, about 10 feet from Boring 3Y-2. 3Y-MW1 was completed at a depth of 22 ft bg, with 10 feet of well screen. The bottom of the well was set on top of the extensive silt and clay layer. As completed, the top of the screened interval is about six (6) feet below the water table.

The monitoring well log is included in **Appendix 2**. The well permit and as-built certification are provided in **Appendix 3**.

3.3.2 Laboratory Analyses of Soil Samples

Soil samples were submitted for laboratory analyses for Target Compounds List/Target Analyte List compounds (TCL/TAL + 30) and ammonia. The analyses included in the TCL/TAL list are: volatile organic compounds (VOCs); base-neutral/acid extractable compounds (BNAs); metals; PCBs; pesticides; and herbicides.

The results of the soil sample analyses are summarized in **Table 2**. The detected concentrations are compared to the following NJDEP soil cleanup criteria: the Impact to Ground Water Soil Cleanup Criteria (IGWSCC), the Residential Direct Contact Soil Cleanup Criteria (RDCSCC) and the Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC). The complete laboratory reports (Lab Case # E0501940) are provided in **Appendix 4**.

BNAs were detected in samples collected from all five (5) borings. BNAs (including anthracene, fluoranthrene, pyrene, chrysene, benzo[a]pyrene, benzo[b]fluoranthene, and benzo[a]anthracene)

were detected at concentrations that exceed one or more SCC. Individual BNAs were detected at concentrations of up to 277 parts per million (ppm).

BNAs were detected in every sample collected from the fill material at the site, and at least one sample of the fill in every boring exceeded one or more SCC for BNAs.

Metals (beryllium and arsenic) exceeded the SCC in a few samples collected from Borings 3Y-1, 3Y-2, and 3Y-3.

Benzene also exceeded the SCC in two samples, collected from 3Y-1 and 3Y-3. However, the benzene concentrations detected (1.55 part per million (ppm) at Boring 3Y-1 and 1.11 ppm at Boring 3Y-3) only slightly exceed the IGWSCC of 1 ppm.

A summary showing the sample depths and material types where one or more compounds exceeded the SCC is presented as **Table 3**.

3.3.3 Monitoring-Well Sampling

A ground-water sample was collected from Monitoring Well 3Y-MW1 on March 21, 2005. The sample was collected using the low-flow purge method. The purge log is included in **Appendix 5**.

The collected sample was submitted for laboratory analysis for TCL/TAL + 30 and ammonia. Results of the ground-water sample analysis are summarized in **Table 4**. The complete laboratory report (Lab Case # E0502623) is provided in **Appendix 6**.

Benzene and benzo[a]pyrene were each detected at concentrations that only slightly exceed the NJDEP Ground Water Quality Standards (GWQS). Benzene was detected at a concentration of 1.6 ug/l (micrograms/liter) compared to the GWQS of 1 ug/l, and benzo[a]pyrene was detected at a concentration of 0.256 ug/l, compared to the GWQS of 0.2 ug/l.

Ammonia was detected at a concentration of 3,000 ug/l, equal to the GWQS of 3,000 ug/l. In addition, four metals (aluminum, iron, manganese, and sodium) were detected at concentrations exceeding their GWQS.

3.4 FINDINGS FOR RI ACTIVITIES COMPLETED IN AUGUST, 2005

3.4.1 Soil Borings and Monitoring-Well Installation

3.4.1.1 Soil Borings

Thirteen (13) soil borings (designated 3Y-6 through 3Y-18) were completed at the site on August 4 and 5, 2005. Boring locations are shown on **Figure 2**. These borings were installed for two

purposes: 1) to delineate benzene that was detected in soil samples collected during the February and March, 2005 investigation; and 2) to determine if ammonia (detected at high concentrations in a ground-water sample collected from Monitoring Well 3Y-MW1) was also present in soil at the site.

Soil borings were completed by Summit Drilling of Bedminster, New Jersey (a New Jersey licensed driller) using a hollow-stem auger rig. Completion of the soil borings was supervised by an EWMA geologist. Split-spoon soil samples were examined and described in the field. Soil boring logs are included in Appendix 2. Borings were completed at depths ranging from four (4) to eight (8) ft bg. The materials encountered in these borings were mostly fill material; this is consistent with materials encountered at similar depths in previous borings.

Borings 3Y-6 through 3Y-9 were completed in the area surrounding Boring 3Y-1. Soil samples were collected from these borings at the 6.5 to 7 ft bg depth interval (the depth interval where benzene was detected in 3Y-1). Borings 3Y-10 through 3Y-13 were completed in the area surrounding 3Y-3. Soil samples from these borings were collected from the 2 to 2.5 ft bg depth interval (the depth interval where benzene was detected in 3Y-3). Soil samples collected from these borings were submitted for laboratory analysis for VO + 10 and ammonia.

Boring 3Y-14 was completed near the northern edge of the property, close to Gorge Road, in an area where ammonia cylinders were reported to have been stored in the past. Split-spoon samples were collected continuously from the ground surface to a depth of 20 ft bg. Soil samples collected from the ground surface (0 to 0.5 ft bg), just above the water table (4 to 4.5 ft bg), and just above the silt and clay layer (17 to 17.5 ft bg) were submitted for laboratory analysis for ammonia.

In addition, the soil sample collected from the 4 to 4.5 ft bg depth interval in 3Y-14 exhibited an oily staining, resembling fuel oil. This sample was also analyzed for VO +10 and Base/Neutral compounds, plus 15 peaks (BN + 15). Based on the presence of the oily staining above the water table in 3Y-14, four additional soil borings (designated 3Y-15, 3Y-16, 3Y-17, and 3Y-18) were completed in the area surrounding 3Y-14. Of these additional borings, only 3Y-15 exhibited slight staining above the water table. Soil samples collected from immediately above the water table in theses borings were submitted for laboratory analysis for VO+10.

A summary of the samples submitted for laboratory analysis, including their depths and reason for collection, is provided in **Table 1**.

3.4.1.2 Monitoring-Well Installation

One monitoring well, designated 3Y-MW2, was installed on August 5, 2005. Monitoring Well 3Y-MW2 was installed along the northern edge of the property (Figure 2), and completed at a depth of 20 ft bg with 17 feet of well screen. The well is screened from the top of the silt and clay layer to just above the water table.

The monitoring well log is included in **Appendix 2**. The well permit and as-built certification are provided in **Appendix 3**.

3.4.2 Laboratory Analyses of Soil Samples

Soil samples were submitted for laboratory analyses for VO +10 and ammonia. Soil sample 3Y-14 (4 - 4.5 ft) exhibited dark, oil-like staining, and was also submitted for analysis for BNs.

The results of the soil sample analyses are summarized in **Table 2**, and compared to the applicable NJDEP soil cleanup criteria. The complete laboratory report is provided in **Appendix 7**.

Soil samples 3Y-6 (6.5–7ft), 3Y-7 (6.5–7ft), 3Y-8 (6.5–7ft), and 3Y-9 (6.5–7ft) were collected primarily to delineate benzene detected in Boring 3Y-1. Sample 3Y-7 (6.5–7ft) (collected approximately 15 feet to the west of Boring 3Y-1) exhibited 5.81 ppm of benzene; this concentration exceeds the IGWSCC of 1 ppm, and the RDCSCC of 3 ppm. None of the other delineation samples collected around 3Y-1 exceeded any of the SCC.

The 3Y-1 delineation samples were also analyzed for ammonia. Ammonia concentrations ranged from non-detect at 3Y-8 (6.5–7ft) to 1.5 ppm at 3Y-6 (6.5-7ft).

Soil samples 3Y-10 (2-2.5 ft), 3Y-11 (2-2.5 ft), 3Y-12 (2-2.5 ft), and 3Y-13 (2-2.5 ft) were collected primarily to delineate benzene detected in Boring 3Y-3. Samples 3Y-11 (2-2.5 ft), 3Y-12 (2-2.5 ft), and 3Y-13 (2-2.5 ft) exhibited benzene concentrations ranging from 35.4 ppm to 5.71 ppm, and all exceeded the IGWSCC (1 ppm), the RDCSCC (3 ppm), or the NRDCSCC (13 ppm) for benzene. Only sample 3Y-10 (2-2.5 ft) (collected from a location approximately 28 feet east of Boring 3Y-3) did not exceed any SCC.

The 3Y-3 delineation samples were also analyzed for ammonia. Ammonia concentrations ranged from non-detect (3Y-10 (2-2.5 ft) and 3Y-12 (2-2.5 ft)) to 0.568 ppm (3Y-13 (2-2.5 ft)). NJDEP has not established an SCC for ammonia.

Boring 3Y-14 and the surrounding borings (3Y-15 through 3Y-18) were completed to investigate a former ammonia storage area. Ammonia concentrations in soil samples ranged from non-detect (in samples collected from Borings 3Y-14 and 3Y-15), to 0.536 ppm in sample 3Y-18 (5-5.5 ft).

Soil samples collected from Borings 3Y-14 through 3Y-18 were also analyzed for VOCs, based on oily-stained soil encountered in Boring 3Y-14. The only detected VOC was benzene, which was detected in sample 3Y-14 (4-4.5ft) (collected from the stained interval) at a concentration of 0.336 ppm, well below the most-stringent SCC. No VOCs were detected in samples collected from the remaining borings.

Soil sample 3Y-14 (4-4.5ft) was also analyzed for BNs. Detected BNs which exceeded the RDCSCC and the NRDCSCC include: benzo[a]anthracene, benzo[b]fluouranthene, indeno[1,2,3-cd]pyrene, and dibenz[a,h]anthracene. Other detected BNs (which did not exceed the SCC) include naphthalene, acenapthene, fluorene, phenanthrene, fluoranthene, and pyrene.

A summary showing the sample depths and material types where one or more compounds exceeded the SCC is presented as **Table 3**.

3.4.3 Monitoring-Well Sampling

Ground-water samples were collected from Monitoring Wells 3Y-MW1 and 3Y-MW2 on August 24, 2005. Purge logs are included in **Appendix 5**.

The collected samples were submitted for laboratory analysis for VOCs + 10 and ammonia. Results of the ground-water sample analysis are summarized in **Table 4**. The complete laboratory report (Lab Case # E0508875) is provided in **Appendix 8**.

Benzene and ammonia were the only compounds detected at concentrations exceeding the NJDEP GWQS. Benzene was detected in 3Y-MW1 at a concentration of 1.31 ug/l, compared to the GWQS of 1 ug/l. Ammonia was detected in 3Y-MW1 and 3Y-MW2 at concentrations of 3,160 ug/l and 6,340 ug/l, respectively, compared to the GWQS of 3,000 ug/l.

3.5 FINDINGS FOR RI ACTIVITIES COMPLETED BY CH2M HILL IN 2005

In August-September, 2005, CH2M Hill completed two (2) soil borings (SB-111A and SB-13) and two (2) monitoring wells (MW-111A and MW-111B) on the 3Y property, as part of the additional on-going investigations for the Quanta Superfund site undertaken by the primary responsible party Honeywell under USEPA's oversight. The results of the soil investigation on the Three Y property were provided to EWMA by CH2M Hill per Three Y's request. These results were also incorporated by CH2M Hill in their *"Draft Preliminary Site Characterization Report – Operable Unit 1"* dated February 2006 and submitted to USEPA for the Quanta site. A copy of this report was made available to EWMA by Three Y for the purpose of this report.

The referenced CH2M Hill report indicates that Block 93, Lot 3 (which is adjacent to and immediately west of the Three Y property) is the only lot west of River Road believed to have been part of the former Quanta Resources operations. The report indicates that the portion of the Three Y property, consisting of Block 93, Lot 2 is a former railroad right of way that is currently partially paved, with a solid waste dumpster, old vehicles, portions of a chain-link fence, and remnants of railroad track present on this lot. On Lot 1, a partially paved parking area and a 2-story restaurant are located in the southwest corner. The report indicates that this currently existing building was reportedly used as a quality control laboratory by Allied Signal until 1974. Afterwards, the building remained vacant for approximately 10 years, and since then has been

used for miscellaneous commercial, office and storage purposes, and converted to a restaurant in the early 1990s.

The following provides a brief summary of the soil and ground water sampling by CH2M Hill on the subject property and their results.

3.5.1 Soil Borings

Two (2) soil borings (SB-111A and SB-13) were completed by CH2M Hill in August 2005 within the limits of the Three Y property. SB-13 was completed along the southeast corner of the subject property. SB-111A was completed along the western central portion of the property and converted to a monitoring well MW-111A. The locations of SB-13 and MW-111A are also shown on **Figure 2**.

The report indicated the presence of BNs (i.e. benzo(a)pyrene and naphthalene) above the NJDEP SCCs at the subject property. The concentrations detected are consistent with those detected at the site during EWMA's investigation and are typical of the historic fill, as concluded in Section 3.7 of this report.

The results of VO analysis indicate the detection of benzene at extremely low levels (0.008 and 0.0008 ppm), well below the NJDEP SCC.

The results of metals analysis indicate the presence of arsenic in the unsaturated soils (0-4 ft bg) at concentration of 913 ppm at SB-13, above the NJDEP RDCSCC of 20 ppm. CH2M Hill's report indicates that arsenic was detected in 95% of all soil samples collected as part of the RI for the Quanta site, and with the exception of the 913 ppm of arsenic detected at SB-13, the distribution of arsenic is consistent with the historic data for the Quanta site and surrounding properties. Based on the results of arsenic in the saturated soils at this location (10.4 ppm) and other locations completed by EWMA and CH2M Hill in this area, this exceedance appears to be isolated and consistent with the historic fill concentrations in this area.

The results of Ammonia analysis indicate that Ammonia was not present at the site soils above the method detection limits.

During the completion of the Soil Boring SB-13, (**Figure 2**) CH2M Hill reported a "tar-like product with a petroleum odor" at a depth of 3-3.5 ft bg (the boring log for SB-13 is included in **Appendix 2**). EWMA completed additional borings in this area in November 2005, as further discussed in Section 3.6, partly in order to address this observation.

3.5.2 Monitoring-Well Sampling

Two (2) monitoring wells (MW-111A and MW-11B) were completed by CH2M Hill in August 2005 along the western central portion of the subject property. MW-111A was completed to a

depth of 9 feet with 7 feet of well screen from the bottom of the well, whereas MW-111B was completed to a depth of 13 feet with 10 feet of well screen from the bottom of the well. Both wells are located in close proximately to each other, as shown on EWMA's **Figure 2**.

The results of the ground water sampling at the property by CH2M Hill indicates that only arsenic was detected above the NJDEP GWQS at both MW-111A and MW-111B. The arsenic concentrations detected were 38,600 ppb and 62,100 ppb, respectively, and are reported to be the highest concentrations detected by CH2M Hill as part of this investigation related to the Quanta site. However, soil samples collected by CH2M Hill at SB-111A, which is the same location as MW-111A indicate arsenic in soils at 17.4 ppm and 6.1 ppb in the unsaturated (0 to 4 ft bg) and saturated (> 4 ft bg) soils, respectively, below the NJDEP RDCSCC of 20 ppm. In addition, based on EWMA's investigation at the subject property, no significant arsenic has been detected in the site soils, and arsenic concentration of only 5.86 ppb at MW-1 located along the eastern central portion of the property, below the NJDEP GWQS. Therefore, as concluded in CH2M Hill's report, the presence of arsenic in the ground water at the subject property is in part a result of the presence of urban fill across Quanta site and properties to its north, south, and west. In addition, the observed reducing conditions in the water samples are likely contributing to the on-going dissolution of arsenic from soil to ground water in this area.

In addition to the above results, CH2M Hill reported the evidence of Non-Aqueous Phase Liquid (NAPL) and tars in soil borings and monitoring wells installed as part of the Quanta investigations, including the subject property. CH2M Hill did not report any NAPL or tars in MW-111A and MW-111B. At soil boring SB-13, completed in the southeastern corner of the property, "tar-like product with a petroleum odor" at a depth of 3-3.5 ft bg was reported. This area was further investigated by EWMA, and no NAPL or tar was detected, except for asphalt layer, as further discussed in Section 3.6.

3.6 FINDINGS FOR RI ACTIVITIES COMPLETED IN NOVEMBER, 2005

3.6.1 Soil Borings

3.6.1.1 Soil Borings

Nine (9) soil borings (designated 3Y-19 through 3Y-27) were completed at the site on November 21, 2005 (**Figure 2**). The main reason for installing these borings was to delineate benzene that was detected in soil samples collected during previous investigations. However, some of these borings were completed to also investigate the occurrence of "tar-like product" reported in a boring completed at the site by CH2M Hill, as previously discussed in Section 3.5.

Soil Boring SB-13, completed by CH2M Hill (**Figure 2**), encountered "tar-like product with a petroleum odor" at a depth of 3-3.5 ft bg (the boring log for SB-13 is included in **Appendix 2**). CH2M Hill's SB-13 is located near the southeast corner of the subject property, and EWMA

Borings 3Y-19, 3Y-20, and 3Y-26 (Figure 2) were installed, in part, to investigate the reported "tar-like product".

Soil borings as part of EWMA's investigation were completed by Talon Drilling of Trenton, New Jersey (a New Jersey licensed driller) using a truck-mounted Geoprobe and four-foot macrocore samplers. Completion of the soil borings was supervised by an EWMA geologist. Macrocore samples were examined and described in the field, and screened for VOCs with a PID. Soil boring logs are included in **Appendix 2**.

Soil borings were completed at depths of eight (8) ft bg. At each boring location, a soil sample was collected from the depth interval that exhibited the highest PID reading and submitted for laboratory analysis for VOCs+10.

Materials encountered in Borings 3Y-19 through 3Y-27 were similar to those encountered in previous EWMA borings. The materials consisted of up to eight (8) feet of fill material overlying in-place silt and fine sand. A layer of asphalt was encountered in the three (3) to five (5) ft bg depth range in some borings, which likely resulted in a "tar-like product with a petroleum odor" reported by CH2M Hill at a depth of 3-3.5 ft bg. There was no evidence of DNAPL in any of the borings. A faint, discontinuous sheen was observed on saturated soil encountered in Boring 3Y-19.

A summary of the samples submitted for laboratory analysis, including their depths and reason for collection, is provided in **Table 1**.

3.6.1.2 Laboratory Analyses of Soil Samples

Soil samples were submitted for laboratory analyses for VO +10. The results of the soil sample analyses are summarized in **Table 2**. The detected concentrations are compared to the following NJDEP soil cleanup criteria: the Impact to Ground Water Soil Cleanup Criteria (IGWSCC), the Residential Direct Contact Soil Cleanup Criteria (RDCSCC) and the Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC). The complete laboratory reports (Lab Case # E0512580) are provided in **Appendix 9**.

Soil samples collected during the November 2005 sampling round were collected to delineate the extent of benzene in soil. Benzene was detected in only two soil samples, 3Y-20 (5.5-6ft) and 3Y-25 (2-2.5ft). Sample 3Y-20 (5.5-6ft) exhibited 1.06 ppm of benzene (slightly exceeding the IGWSCC of 1 ppm). Sample 3Y-25 (2-2.5ft) exhibited 31.3 ppm of benzene; this concentration exceeds the IGWSCC (1 ppm), the RDCSCC (3 ppm), and the NRDCSCC (13 ppm). No other VOCs were detected at concentrations that exceeded any of the SCC.

3.7 CONCLUSIONS AND RECOMMENDATIONS

3.7.1 Soils

A total of twenty seven (27) soil borings have been completed by EWMA at the site. Five (5) borings were advanced to bedrock (which was encountered at depths of 36 to 57 ft bg). The remaining borings were completed at depths of 8 ft bg, or less. In addition, CH2M Hill completed two (2) soil borings at the property as part of the investigations related to the Quanta site under USEPA's oversight.

Boring logs show that four (4) to nine (9) feet of fill material overlies the natural soil (sand and silty clay/clayey silt). The fill material includes coal fragments and coal dust, cinders, and construction debris. A layer of asphalt several inches thick is present in the subsurface in the southern portion of Lot 2. The asphalt layer, which is encountered at depths of three (3) to six (6) ft bg, is believed to be part of a buried parking lot or paved area.

There was no trace of coal tar or DNAPL in any of EWMA's soil borings completed on the property. The only evidence of non-aqueous phase liquids was encountered in Boring 3Y-14, where soil on top of the water table displayed black, oil-like staining, along with a hydrocarbon sheen and odor. The presence of this staining at the top of the water table, combined with the other observations, indicates that the staining is an isolated petroleum-product staining, and not coal tar.

No. 10 borings had tar

A "tar-like product with a petroleum odor" was reported by CH2M Hill at their soil boring SB-13 along the southeast corner of the property a depth of 3-3.5 ft bg. EWMA conducted further investigation in this area and did not report the presence of any NAPL or tar. However, a layer of asphalt was noted in some of the borings in this area at a depth consistent with the SB-13 sample depth.

borings say asphalt/tar - can't distinguish in field.

The composition of the fill materials encountered at the property is consistent with historic fill; much of the fill material was probably placed on site when the property was first developed in the 1890's. More recently, in 1996, additional fill was emplaced at the site by Bergen County, as part of the construction of the new River Road.

The highest concentrations of BNAs and metals are found in the fill material at the site (**Tables 2 and 3**). With the exception of benzene and ammonia, all the compounds detected in soil are typical of historic fill materials, and their concentrations fall within the ranges reported for historic fill in New Jersey (as provided in the NJDEP "Technical Requirements for Site Remediation" (TRSR), NJAC 7:26E, Appendix D). A comparison of the concentrations detected on the subject property with the historic-fill ranges is provided in **Table 5**.

BNA concentrations in the natural soils are much lower than in the overlying fill, and concentrations decrease with increasing depth (**Table 2, Table 3**). This suggests that the historic

fill is the source of the BNAs detected in the natural soils, and that the low concentrations of BNAs in the natural soils are the result of downward migration of BNAs from the overlying fill material.

Benzene concentrations in soil range from non-detect to 35.4 ppm. Benzene concentrations that exceed the SCC are confined to two areas in the eastern half of the site (**Figure 3**). The source of the benzene is not known for sure. However, a Parsons map provided to EWMA by CH2M Hill (included as **Appendix 10**) shows site conditions at the Quanta site when it was still in operation. The map shows two gasoline underground storage tanks (USTs) located on the western edge of the Quanta site, adjacent to the Three Y property. These USTs may be the source of the detected benzene.

Ammonia concentrations in soils ranged from non-detect to 1.5 ppm. The NJDEP has not established a SCC for ammonia, but based on the low concentrations present, there does not appear to be any significant impact to soils. The maximum ammonia concentration detected in soil (1.5 ppm) is lower than the GWQS for ammonia (3 ppm), so the the ammonia present in soil is unlikely to significantly impact ground water.

3.7.2 Ground Water

Ground-water samples collected from 3Y-MW1 and 3Y-MW2 have exhibited benzene, ammonia, benzo[a]pyrene, and several metals at concentrations that exceed the GWQS.

Benzene was detected only at 3Y-MW1, at a maximum concentration of 1.6 ug/l; this is only slightly above the GWQS of 1 ug/l. The low benzene concentration indicates that the benzene detected in soil at the site is not significantly impacting ground water, and that there has not been significant off-site migration.

Wells don't correspond to high Benzene areas in soil

Ammonia concentrations ranged from 3,160 ug/l at 3Y-MW1 to 6,340 ug/l at 3Y-MW2, compared to the GWQS of 3,000 ug/l. Leaks and spills from the former ammonia storage areas (Figure 3) are the probable source for the ammonia. However, ammonia concentrations in soil are very low, so it appears that soils are not acting as an ongoing source for ammonia in ground water. Given that the ammonia concentration at the downgradient edge of the property (3Y-MW1) only slightly exceeds the GWQS, it is unlikely that there has been any significant off-site migration of ammonia.

The concentration of benzo[a]pyrene detected was 0.256 ug/l, just slightly above the 0.2 ug/l GWQS. Benzo[a]pyrene is virtually immobile in ground water. For example, under identical conditions, the rate of benzo[a]pyrene migration in ground water is over 2,000 times slower than the migration rate of benzene (Table 6). The source of the benzo[a]pyrene detected in ground water must therefore be very close to 3Y-MW1; the most likely source is the overlying fill material.

Given its low concentration and limited mobility, further investigation into the benzo[a]pyrene in ground water is not necessary.

Four (4) metals (aluminum, iron, manganese, and sodium) were also detected at 3Y-MW1 at concentrations exceeding the GWQS. These metals are major components of common naturally occurring minerals, so the presence of these metals is probable the result of small amount of suspended sediment in the ground-water sample.

Arsenic was detected at concentrations of 38,600 ppb and 62,100 ppb at two (2) monitoring wells installed and sampled by CH2M Hill along the western central portion of the site. However, since no significant source of arsenic in soils has been detected in borings completed by CH2M Hill or EWMA, these results are partly attributable to the presence of urban fill across Quanta site and properties to its north, south, and west. In addition, the observed reducing conditions in the water samples are likely contributing to the on-going dissolution of arsenic from soil to ground water in this area.

No. you didn't sample the area.

3.7.3 Impact of QRC Operations on Block 93, Lots 1 & 2

This remedial investigation was conducted, in large part, to determine whether coal-tar products from QRC operations had impacted the subject property (Block 93, Lots 1 and 2), and whether the property should be included as part of the QRC Superfund site. The investigation performed at the property included the completion and sampling of 27 soil borings and two (2) monitor wells.

EWMA's investigation did not find any evidence of coal tar or coal-tar impacts in soil or ground water at the subject property. All the contaminants detected in soil and ground water at the property appear to be derived from historic fill materials and past on-site industrial operations, and there is no evidence that QRC operations have significantly impacted the property. These results are additionally supported by the results of soil and ground water investigations conducted by CH2M Hill on the subject property as part of the Quanta site investigations under USEPA oversight.

No!

Based on the results of investigations conducted to-date, the property at Block 93, Lots 1 and 2 should not be included in the QRC Superfund site.

Yes it should.

4.0 REMEDIAL ACTION WORKPLAN

4.1 SOIL

Seven (7) BNAs and one (1) VOC (benzene) have been detected in soil at concentrations exceeding one or more of the SCC (Table 2). The detected BNAs are derived from the historic fill which covers the site, and the benzene is suspected to be related to a former UST system that was present in the western portion of the Quanta property, close to the Three Y site. Nearly all of the BNAs exceed the RDC and NRDC SCC, but are below the IGW SCC. The highest benzene concentrations detected exceed the RDC SCC, NRDC SCC, and IGW SCC. There have been no significant impacts to ground water from the soils at the property.

EWMA proposes to leave the historic fill and other contaminated soil in place, and to use engineering controls and a deed restriction to eliminate the risk of exposure to contaminated soils.

The engineering controls may consist of an impermeable cover (e.g., asphalt pavement) and proposed site development. The entire property will be paved or covered by the proposed development. The area covered by the proposed deed restriction consists of Block 93, Lots 1 & 2 (Figure 4).

4.2 GROUND WATER

Ammonia and benzene have been detected in ground water at concentrations exceeding their GWQS. The highest benzene concentration detected (1.6 ug/l, detected in Monitoring Well 3Y-MW1) only slightly exceeds the GWQS of 1 ug/l. The highest ammonia concentrations detected have been 3,160 ug/l (in 3Y-MW1) and 6,000 ug/l (in 3Y-MW2), compared to the GWQS of 3,000 ug/l.

Given the low concentrations present and the absence of nearby receptors, both compounds are amenable to natural attenuation via a combination of biodegradation, adsorption, and dilution. Therefore, EWMA proposes the establishment of a Classification Exception Area (CEA) to address the minor ground-water contamination. The proposed CEA consists of Block 93, Lots 1 & 2 (Figure 4).

Although, arsenic has been detected well above the NJDEP GWQS by CH2M Hill at two (2) monitoring wells along the western central portion of the property, it's presence is attributable to the presence of urban fill in this and the surrounding areas, and results are consistent with other arsenic concentrations detected in the ground water in the surrounding properties. NJ

5.0 HAZSITE DATA

The HazSite Data package is included in Appendix 11. The appendix includes a hard copy of the electronic data deliverable and a 3.5 inch floppy disk containing the electronic data deliverable files.

TABLE 1

SUMMARY OF SOIL SAMPLES COLLECTED

Three Y, LLC Properties
163 Old River Road, Edgewater, NJ

Boring/ Sample ID	Depth	Description/Rationale for Collection
3Y-1A	0-6" bg	surface soil
3Y-1A	2-2.5 ft bg	surface soil, for VOA's (no recovery of 1.5 -2 ft bg)
3Y-1B	6.5 - 7 ft bg	0-6" above GW
3Y-1C	22.5 - 23 ft bg	0-6" above confining layer
3Y-1D	56.5 - 57 ft bg	0-6" above bedrock
3Y-1R	18 - 18.5 ft bg	random sample
3Y-2A	0-6" bg	surface soil
3Y-2A	2-2.5 ft bg	surface soil, for VOA's (no recovery of 1.5 -2 ft bg)
3Y-2B	6 - 6.5 ft bg	0-6" above GW
3Y-2C	20 - 20.5 ft bg	0-6" above confining layer
3Y-2D	47.5 - 48 ft bg	0-6" above bedrock
3Y-2E	2-2.5 ft bg	black silt (coal dust) with shiny appearance
3Y-2R	36 - 36.5 ft bg	random sample
3Y-3A	0-6" bsg	surface soil
3Y-3A	2-2.5 ft bg	surface soil, for VOA's (no recovery of 1.5 -2 ft bg)
3Y-3B	6 - 6.5 ft bg	0-6" above GW
3Y-3C	17 - 17.5 ft bg	0-6" above confining layer
3Y-3D	34 - 34.5 ft bg	0-6" above bedrock
3Y-4A	0-6" bg	surface soil
3Y-4A	4 - 4.5 ft bg	surface soil, for VOA's (no recovery of 1.5 -2 ft bg)
3Y-4B	6 - 6.5 ft bg	0-6" above GW
3Y-4C	14 - 14.5 ft bg	0-6" above confining layer
3Y-4D	44 -44.5 ft bg	0-6" above bedrock
3Y-5A	0-6" bg	surface soil
3Y-5A	2-2.5 ft bg	surface soil, for VOA's (no recovery of 1.5 -2 ft bg)
3Y-5B	6 - 6.5 ft bg	0-6" above GW
3Y-5C	16 - 16.5 ft bg	0-6" above confining layer
3Y-5D	38 - 38.5 ft bg	0-6" above bedrock
3Y-5R	17 - 17.5 ft bg	random sample
3Y-6	6.5 - 7 ft bg	benzene delineation
3Y-7	6.5 - 7 ft bg	
3Y-8	6.5 - 7 ft bg	
3Y-9	6.5 - 7 ft bg	
3Y-10	2-2.5 ft bg	
3Y-11	2-2.5 ft bg	
3Y-12	2-2.5 ft bg	
3Y-13	2-2.5 ft bg	
3Y-14A	0-6" bg	investigation for on-site source of ammonia
3Y-14B	4-4.5 ft bg	
3Y-14C	17-17.5 ft bg	
3Y-15	5-5.5 ft bg	investigate suspected oil in 3Y-14
3Y-16	5-5.5 ft bg	
3Y-17	5-5.5 ft bg	
3Y-18	5-5.5 ft bg	
3Y-19	6-6.5 ft bg	benzene delineation; investigate report of product in CH2M Hill boring
3Y-20	5.5-6 ft bg	
3Y-21	6-6.5 ft bg	benzene delineation
3Y-22	5-5.5 ft bg	
3Y-23	6-6.5 ft bg	
3Y-24	6.5-7 ft bg	
3Y-25	2-2.5 ft bg	
3Y-27	6-6.5 ft bg	

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-1A			3Y-1B			3Y-1C			3Y-1D			3Y-1R			3Y-2A			3Y-2B			3Y-2C			3Y-2D			3Y-2E			3Y-2R			3Y-3A		
Sample Depth (ft bg):	RDC	NRDC	IGW	0-0.5/2-2.5 (VOs)			6.5-7			22.5-23			56.5-57			18-18.5			0-0.5/2-2.5 (VOs)			6-6.5			20-20.5			47.5-48			2-2.5			36-36.5			0-0.5/2-2.5 (VOs)		
Lab ID:	SCC	SCC	SCC	02014-001			02014-002			02014-003			02111-001			02014-004			01940-005			01940-006			01940-007			01997-001			01997-002			01997-003			02111-002		
Date Sampled:				3/4/05			3/4/05			3/4/05			3/7/05			3/4/05			3/2/05			3/2/05			3/2/05			3/4/05			3/4/05			3/4/05			3/7/05		
Matrix:				Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil		
VOCs (ppm)				Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Dichlorodifluoromethane	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Chloromethane	520	1000	10	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Vinyl chloride	2	7	10	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Bromomethane	79	1000	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Chloroethane	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Trichlorofluoromethane	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,1-Dichloroethene	8	150	10	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Acetone	1000	1000	100	ND		1.10	ND		3.90	ND		1.11	ND		1.14	ND		1.57	ND		1.14	ND		1.15	ND		1.15	ND		0.878	~		~	ND		1.16	ND		1.29
Carbon disulfide	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Methylene chloride	49	210	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
trans-1,2-Dichloroethene	1000	1000	50	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Methyl tert-butyl ether(MTBE)	(NA)	(NA)	(NA)	ND		0.549	ND		3.90	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,1-Dichloroethane	570	1000	10	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
cis-1,2-Dichloroethene	79	1000	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
2-Butanone(MEK)	1000	1000	50	ND		1.10	ND		1.56	ND		1.11	ND		1.14	ND		1.57	ND		1.14	ND		1.15	ND		1.15	ND		0.878	~		~	ND		1.16	ND		1.29
Bromochloromethane	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Chloroform	19	28	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,1,1-Trichloroethane	210	1000	50	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Carbon tetrachloride	2	4	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,2-Dichloroethane(EDC)	6	24	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Benzene	3	13	1	ND		0.549	1.55		0.779	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Trichloroethene	23	54	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	1.11		0.647
1,2-Dichloropropane	10	43	NA	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Bromodichloromethane	11	46	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
cis-1,3-Dichloropropene	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		1.10	ND		1.56	ND		1.11	ND		1.14	ND		1.57	ND		1.14	ND		1.15	ND		1.15	ND		0.878	~		~	ND		1.16	ND		1.29
Toluene	1000	1000	500	ND		0.549	2.34		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	0.200	J	0.647
trans-1,3-Dichloropropene	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,1,2-Trichloroethane	22	420	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Tetrachloroethene	4	6	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
2-Hexanone	(NA)	(NA)	(NA)	ND		1.10	ND		3.12	ND		1.11	ND		1.14	ND		1.57	ND		1.14	ND		1.15	ND		1.15	ND		0.878	~		~	ND		1.16	ND		1.29
Dibromochloromethane	110	1000	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,2-Dibromoethane(EDB)	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Chlorobenzene	37	680	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Ethylbenzene	1000	1000	100	ND		0.549	9.42		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Total Xylenes	410	1000	67	ND		0.549	13.5		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	0.289	J	0.647
Styrene	23	97	100	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	0.264	J	0.647
Bromoform	86	370	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Isopropylbenzene	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,1,2,2-Tetrachloroethane	34	70	1	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,3-Dichlorobenzene	5100	10000	100	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,4-Dichlorobenzene	570	10000	100	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,2-Dichlorobenzene	5100	10000	50	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,2-Dibromo-3-chloropropane	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,2,4-Trichlorobenzene	68	1200	100	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,2,3-Trichlorobenzene	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
1,1,2-Trichloro-1,2,2-trifluoroethane	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Methyl acetate	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Cyclohexane	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
Methylcyclohexane	(NA)	(NA)	(NA)	ND		0.549	ND		1.56	ND		0.556	ND		0.568	ND		0.787	ND		0.572	ND		0.577	ND		0.575	ND		0.439	~		~	ND		0.578	ND		0.647
TOTAL VO's:	NA	NA	NA	ND			26.8			ND			ND			ND			ND			ND			ND			ND			~		~	ND			1.86	J	
TOTAL TIC's:	NA	NA	NA	15.7			471			ND			ND			1.38			ND			0.831			ND			ND			~		~	ND			0.880		
TOTAL VO's & TIC's:	NA	NA	NA	15.7			498			ND			ND			1.38			ND			0.831			ND			ND			~		~	ND			2.74	J	

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-3B			3Y-3C			3Y-3D			3Y-4A			3Y-4B			3Y-4C			3Y-4D			3Y-5A			3Y-5B			3Y-5C			3Y-5D			3Y-5R		
Sample Depth (ft bg):	RDC	NRDC	IGW	6-6.5			17-17.5			34-34.5			0-0.5/2-2.5 (VOs)			6-6.5			14-14.5			44-44.5			0-0.5/4-4.5(VOs)			6-6.5			16-16.5			38-38.5			17-17.5		
Lab ID:	SCC	SCC	SCC	02111-003			02111-004			02152-001			01940-001			01940-002			01940-003			01940-004			02152-002			02152-003			02152-004			02152-005			02152-006		
Date Sampled:				3/7/05			3/7/05			3/8/05			3/2/05			3/2/05			3/2/05			3/2/05			3/8/05			3/8/05			3/8/05			3/8/05			3/8/05		
Matrix:				Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil		
VOCs (ppm)				Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Dichlorodifluoromethane	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Chloromethane	520	1000	10	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Vinyl chloride	2	7	10	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Bromomethane	79	1000	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Chloroethane	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Trichlorofluoromethane	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,1-Dichloroethene	8	150	10	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Acetone	1000	1000	100	ND		1.56	ND		1.15	ND		1.20	ND		1.21	ND		1.06	ND		1.29	ND		1.10	ND		1.45	ND		1.73	ND		1.36	ND		1.18	ND		1.16
Carbon disulfide	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Methylene chloride	49	210	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
trans-1,2-Dichloroethene	1000	1000	50	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Methyl tert-butyl ether(MTBE)	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,1-Dichloroethane	570	1000	10	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
cis-1,2-Dichloroethene	79	1000	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
2-Butanone(MEK)	1000	1000	50	ND		1.56	ND		1.15	ND		1.20	ND		1.21	ND		1.06	ND		1.29	ND		1.10	ND		1.45	ND		1.73	ND		1.36	ND		1.18	ND		1.16
Bromochloromethane	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Chloroform	19	28	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,1,1-Trichloroethane	210	1000	50	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Carbon tetrachloride	2	4	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,2-Dichloroethane(EDC)	6	24	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Benzene	3	13	1	0.754	J	0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Trichloroethene	23	54	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,2-Dichloropropane	10	43	NA	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Bromodichloromethane	11	46	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
cis-1,3-Dichloropropene	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		1.56	ND		1.15	ND		1.20	ND		1.21	ND		1.06	ND		1.29	ND		1.10	ND		1.45	ND		1.73	ND		1.36	ND		1.18	ND		1.16
Toluene	1000	1000	500	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
trans-1,3-Dichloropropene	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,1,2-Trichloroethane	22	420	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Tetrachloroethene	4	6	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
2-Hexanone	(NA)	(NA)	(NA)	ND		1.56	ND		1.15	ND		1.20	ND		1.21	ND		1.06	ND		1.29	ND		1.10	ND		1.45	ND		1.73	ND		1.36	ND		1.18	ND		1.16
Dibromochloromethane	110	1000	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,2-Dibromoethane(EDB)	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Chlorobenzene	37	680	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Ethylbenzene	1000	1000	100	0.344	J	0.782	ND		0.573	ND		0.602	0.153	J	0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Total Xylenes	410	1000	67	0.185	J	0.782	ND		0.573	ND		0.602	0.209	J	0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	0.696	J	0.865	ND		0.681	ND		0.588	ND		0.581
Styrene	23	97	100	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Bromoform	86	370	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Isopropylbenzene	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,1,2,2-Tetrachloroethane	34	70	1	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,3-Dichlorobenzene	5100	10000	100	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,4-Dichlorobenzene	570	10000	100	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,2-Dichlorobenzene	5100	10000	50	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,2-Dibromo-3-chloropropane	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,2,4-Trichlorobenzene	68	1200	100	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,2,3-Trichlorobenzene	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
1,1,2-Trichloro-1,2,2-trifluoroethane	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Methyl acetate	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Cyclohexane	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
Methylcyclohexane	(NA)	(NA)	(NA)	ND		0.782	ND		0.573	ND		0.602	ND		0.607	ND		0.531	ND		0.643	ND		0.548	ND		0.723	ND		0.865	ND		0.681	ND		0.588	ND		0.581
TOTAL VO's:	NA	NA	NA	1.28	J	ND			ND			0.362	J	ND				ND			ND			ND			0.696	J	ND			ND			ND			ND		
TOTAL TIC's:	NA	NA	NA	29.2		0.585			ND			13.3		ND				ND			ND			ND			38.9		ND			ND			ND			ND		
TOTAL VO's & TIC's:	NA	NA	NA	30.5	J	0.585			ND			13.7	J	ND				ND			ND			ND			39.6	J	ND			ND			ND			ND		

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-1A	3Y-1B	3Y-1C	3Y-1D	3Y-1R	3Y-2A	3Y-2B	3Y-2C	3Y-2D	3Y-2E	3Y-2R	3Y-3A
Sample Depth (ft bg):	RDC	NRDC	IGW	0-0.5/2-2.5 (VOs)	6.5-7	22.5-23	56.5-57	18-18.5	0-0.5/2-2.5 (VOs)	6-6.5	20-20.5	47.5-48	2-2.5	36-36.5	0-0.5/2-2.5 (VOs)
Lab ID:	SCC	SCC	SCC	02014-001	02014-002	02014-003	02111-001	02014-004	01940-005	01940-006	01940-007	01997-001	01997-002	01997-003	02111-002
Date Sampled:				3/4/05	3/4/05	3/4/05	3/7/05	3/4/05	3/2/05	3/2/05	3/2/05	3/4/05	3/4/05	3/4/05	3/7/05
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
BNAs (ppm)															
Benzaldehyde	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Phenol	10000	10000	50	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
bis(2-Chloroethyl)ether	0.66	3	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2-Chlorophenol	280	5200	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2-Methylphenol	2800	10000	NA	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
bis(2-chloroisopropyl)ether	2300	10000	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
4-Methylphenol	2800	10000	NA	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
N-Nitroso-di-n-propylamine	0.66	0.66	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Acetophenone	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Hexachloroethane	6	100	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Nitrobenzene	28	520	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Isophorone	1100	10000	50	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2-Nitrophenol	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2,4-Dimethylphenol	1100	10000	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
bis(2-Chloroethoxy)methane	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2,4-Dichlorophenol	170	3100	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Naphthalene	230	4200	100	17.4 2.19	45.4 1.17	0.738 0.117	ND 0.236	1.59 0.237	3.96 2.30	2.44 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	9.10 0.476
4-Chloroaniline	230	4200	NA	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Hexachlorobutadiene	1	21	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Caprolactam	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
4-Chloro-3-methylphenol	10000	10000	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2-Methylnaphthalene	(NA)	(NA)	(NA)	7.18 2.19	14.5 1.17	0.492 0.117	ND 0.236	1.07 0.237	1.98 J 2.30	0.136 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	3.10 0.476
Hexachlorocyclopentadiene	400	7300	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2,4,6-Trichlorophenol	62	270	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2,4,5-Trichlorophenol	5600	10000	50	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
1-1'-Biphenyl	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2-Chloronaphthalene	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2-Nitroaniline	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Dimethylphthalate	10000	10000	50	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2,6-Dinitrotoluene	1	4	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Acenaphthylene	(NA)	(NA)	(NA)	2.20 2.19	1.02 J 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
3-Nitroaniline	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Acenaphthene	3400	10000	100	22.7 2.19	26.9 1.17	0.387 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2,4-Dinitrophenol	110	2100	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	1.06 0.237	7.44 2.30	0.439 0.114	ND 0.118	ND 0.104	3.40 1.20	ND 0.125	4.53 0.476
4-Nitrophenol	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
2,4-Dinitrotoluene	1	4	10	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Dibenzofuran	(NA)	(NA)	(NA)	11.7 2.19	21.9 1.17	0.418 0.117	ND 0.236	1.79 0.237	3.63 2.30	0.284 0.114	ND 0.118	ND 0.104	2.46 1.20	ND 0.125	3.71 0.476
Diethylphthalate	10000	10000	50	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Fluorene	2300	10000	100	19.3 2.19	37.9 1.17	0.672 0.117	ND 0.236	4.13 0.237	6.00 2.30	0.372 0.114	ND 0.118	ND 0.104	2.78 1.20	ND 0.125	3.83 0.476
4-Chlorophenyl-phenylether	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
4-Nitroaniline	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
1,2,4,5-Tetrachlorobenzene	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
4,6-Dinitro-2-methylphenol	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
N-Nitrosodiphenylamine	140	600	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
4-Bromophenyl-phenylether	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Hexachlorobenzene	0.66	2	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Atrazine	(NA)	(NA)	(NA)	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Pentachlorophenol	6	24	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Phenanthrene	(NA)	(NA)	(NA)	219 2.19	175 1.17	2.57 0.117	ND 0.236	14.7 0.237	62.3 2.30	1.95 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Anthracene	10000	10000	100	44.4 2.19	165 1.17	3.10 0.117	ND 0.236	31.4 0.237	13.4 2.30	0.743 0.114	ND 0.118	ND 0.104	9.70 1.20	ND 0.125	9.38 0.476
Carbazole	(NA)	(NA)	(NA)	20.5 2.19	46.3 1.17	1.11 0.117	ND 0.236	7.91 0.237	6.98 2.30	0.175 0.114	ND 0.118	ND 0.104	1.85 1.20	ND 0.125	2.56 0.476
Di-n-butylphthalate	5700	10000	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	0.293 J 0.476
Fluoranthene	2300	10000	100	277 2.19	133 1.17	1.40 0.117	ND 0.236	3.45 0.237	90.1 - 2.30	1.60 0.114	ND 0.118	ND 0.104	60.8 1.20	ND 0.125	62.6 0.476
Pyrene	1700	10000	100	174 2.19	77.8 1.17	0.998 0.117	ND 0.236	3.53 0.237	69.8 2.30	1.25 0.114	ND 0.118	ND 0.104	52.5 1.20	ND 0.125	45.9 0.476
Butylbenzylphthalate	1100	10000	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
3,3'-Dichlorobenzidine	2	6	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Benzo[a]anthracene	0.9	4	500	121 2.19	37.1 1.17	0.474 0.117	ND 0.236	1.22 0.237	46.7 2.30	0.561 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Chrysene	9	40	500	142 2.19	41.6 1.17	0.547 0.117	ND 0.236	1.55 0.237	53.2 2.30	0.713 0.114	ND 0.118	ND 0.104	35.2 1.20	ND 0.125	37.1 0.476
bis(2-Ethylhexyl)phthalate	49	210	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	0.155 J 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Di-n-octylphthalate	1100	10000	100	ND 2.19	ND 1.17	ND 0.117	ND 0.236	ND 0.237	ND 2.30	ND 0.114	ND 0.118	ND 0.104	ND 1.20	ND 0.125	ND 0.476
Benzo[b]fluoranthene	0.9	4	50	106 2.19	25.3 1.17	0.295 0.117	ND 0.236	0.939 0.237	38.9 2.30	0.288 0.114	ND 0.118	ND 0.104	28.2 1.20	ND 0.125	27.8 0.476
Benzo[k]fluoranthene	0.9	4	500	80.1 2.19	23.4 1.17	0.301 0.117	ND 0.236	0.765 0.237	34.0 2.30	0.343 0.114	ND 0.118	ND 0.104	19.7 1.20	ND 0.125	27.8 0.476
Benzo[a]pyrene	0.66	0.66	100	116 2.19	33.6 1.17	0.397 0.117	ND 0.236	1.13 0.237	45.6 2.30	0.453 0.114	ND 0.118	ND 0.104	25.8 1.20	ND 0.125	32.4 0.476
Indeno[1,2,3-cd]pyrene	0.9	4	500	48.8 2.19	15.9 1.17	0.184 0.117	ND 0.236	0.561 0.237	27.2 2.30	0.236 0.114	ND 0.118	ND 0.104	16.0 1.20	ND 0.125	16.8 0.476
Dibenz[a,h]anthracene	0.66	0.66	100	33.6 2.19	7.71 1.17	ND 0.117	ND 0.236	0.301 0.237	13.6 2.30	0.117 0.114	ND 0.118	ND 0.104	6.43 1.20	ND 0.125	10.0 0.476
Benzo[g,h,i]perylene	(NA)	(NA)	(NA)	44.9 2.19	16.8 1.17	0.189 0.117	ND 0.236	0.668 0.237	28.3 2.30	0.267 0.114	ND 0.118	ND 0.104	15.8 1.20	ND 0.125	16.5 0.476
TOTAL BNA'S:	NA	NA	NA	1510	946 J	14.3	ND	77.9 J	553 J	12.4	ND	ND	345	ND	375 J 71.5
TOTAL TIC's:	NA	NA	NA	352	136	0.586	ND	1.02	53.3	0.580	ND	ND	20.7	ND	
TOTAL BNA'S & TIC's:	NA	NA	NA	1860	1080 J	14.9	ND	78.9 J	606 J	13.0	ND	ND	366	ND	447 J

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-3B	3Y-3C	3Y-3D	3Y-4A	3Y-4B	3Y-4C	3Y-4D	3Y-5A	3Y-5B	3Y-5C	3Y-5D	3Y-5R
Sample Depth (ft bg):	RDC	NRDC	IGW	6-6.5	17-17.5	34-34.5	0-0.5/2-2.5 (VOs)	6-6.5	14-14.5	44-44.5	0-0.5/4-4.5(VOs)	6-6.5	16-16.5	38-38.5	17-17.5
Lab ID:	SCC	SCC	SCC	02111-003	02111-004	02152-001	01940-001	01940-002	01940-003	01940-004	02152-002	02152-003	02152-004	02152-005	02152-006
Date Sampled:				3/7/05	3/7/05	3/8/05	3/2/05	3/2/05	3/2/05	3/2/05	3/8/05	3/8/05	3/8/05	3/8/05	3/8/05
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
BNAs (ppm)															
Benzaldehyde	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Phenol	10000	10000	50	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
bis(2-Chloroethyl)ether	0.66	3	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2-Chlorophenol	280	5200	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2-Methylphenol	2800	10000	NA	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
bis(2-chloroisopropyl)ether	2300	10000	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
4-Methylphenol	2800	10000	NA	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
N-Nitroso-di-n-propylamine	0.66	0.66	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Acetophenone	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Hexachloroethane	6	100	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Nitrobenzene	28	520	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Isophorone	1100	10000	50	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2-Nitrophenol	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2,4-Dimethylphenol	1100	10000	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
bis(2-Chloroethoxy)methane	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2,4-Dichlorophenol	170	3100	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Naphthalene	230	4200	100	117 2.56	ND 0.243	ND 0.122	ND 0.125	0.655 0.125	ND 0.120	ND 0.116	ND 0.105	5.58 1.69	1.04 0.443	0.275 0.118	0.437 0.198
4-Chloroaniline	230	4200	NA	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Hexachlorobutadiene	1	21	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Caprolactam	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
4-Chloro-3-methylphenol	10000	10000	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2-Methylnaphthalene	(NA)	(NA)	(NA)	24.0 2.56	ND 0.243	ND 0.122	ND 0.125	0.748 0.125	ND 0.120	ND 0.116	ND 0.105	1.98 1.69	ND 0.443	ND 0.118	ND 0.198
Hexachlorocyclopentadiene	400	7300	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	0.121 0.118	0.132 J 0.198
2,4,6-Trichlorophenol	62	270	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2,4,5-Trichlorophenol	5600	10000	50	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
1-1'-Biphenyl	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2-Chloronaphthalene	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2-Nitroaniline	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Dimethylphthalate	10000	10000	50	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2,6-Dinitrotoluene	1	4	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Acenaphthylene	(NA)	(NA)	(NA)	4.60 2.56	ND 0.243	ND 0.122	ND 0.125	0.086 J 0.125	ND 0.120	ND 0.116	0.115 0.105	3.48 1.69	ND 0.443	ND 0.118	ND 0.198
3-Nitroaniline	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Acenaphthene	3400	10000	100	46.5 2.56	ND 0.243	ND 0.122	0.225 0.125	0.511 0.125	ND 0.120	ND 0.116	0.097 J 0.105	11.2 1.69	0.496 0.443	0.252 0.118	0.338 0.198
2,4-Dinitrophenol	110	2100	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
4-Nitrophenol	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
2,4-Dinitrotoluene	1	4	10	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Dibenzofuran	(NA)	(NA)	(NA)	30.5 2.56	ND 0.243	ND 0.122	0.113 J 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Diethylphthalate	10000	10000	50	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	7.88 1.69	0.339 J 0.443	0.181 0.118	0.228 0.198
Fluorene	2300	10000	100	38.1 2.56	ND 0.243	ND 0.122	0.214 0.125	0.849 0.125	ND 0.120	ND 0.116	ND 0.105	16.1 1.69	0.451 0.443	0.298 0.118	0.301 0.198
4-Chlorophenyl-phenylether	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
4-Nitroaniline	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
1,2,4,5-Tetrachlorobenzene	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
4,6-Dinitro-2-methylphenol	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
N-Nitrosodiphenylamine	140	600	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
4-Bromophenyl-phenylether	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Hexachlorobenzene	0.66	2	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Atrazine	(NA)	(NA)	(NA)	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Pentachlorophenol	6	24	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Phenanthrene	(NA)	(NA)	(NA)	193 2.56	ND 0.243	ND 0.122	3.15 0.125	4.65 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Anthracene	10000	10000	100	34.5 2.56	ND 0.243	ND 0.122	0.782 0.125	0.883 0.125	ND 0.120	ND 0.116	0.839 0.105	106 1.69	2.62 0.443	1.56 0.118	1.70 0.198
Carbazole	(NA)	(NA)	(NA)	15.4 2.56	ND 0.243	ND 0.122	0.169 0.125	0.294 0.125	ND 0.120	ND 0.116	0.287 0.105	42.6 1.69	0.732 0.443	0.472 0.118	0.371 0.198
Di-n-butylphthalate	5700	10000	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	0.088 J 0.105	3.04 1.69	ND 0.443	0.121 0.118	0.183 J 0.198
Fluoranthene	2300	10000	100	175 2.56	ND 0.243	ND 0.122	5.10 0.125	4.00 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Pyrene	1700	10000	100	127 2.56	ND 0.243	ND 0.122	4.07 0.125	3.62 0.125	ND 0.120	ND 0.116	2.47 0.105	118 1.69	2.10 0.443	1.28 0.118	1.10 0.198
Butylbenzylphthalate	1100	10000	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	2.88 0.105	115 1.69	2.16 0.443	1.23 0.118	1.13 0.198
3,3'-Dichlorobenzidine	2	6	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	7.61 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Benzo[a]anthracene	0.9	4	500	65.2 2.56	ND 0.243	ND 0.122	**2.53** 0.125	**1.80** 0.125	ND 0.120	ND 0.116	ND 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Chrysene	9	40	500	73.9 2.56	ND 0.243	ND 0.122	2.77 0.125	2.04 0.125	ND 0.120	ND 0.116	**1.60** 0.105	**42.6** 1.69	**0.926** 0.443	0.525 0.118	0.425 0.198
bis(2-Ethylhexyl)phthalate	49	210	100	ND 2.56	ND 0.243	ND 0.122	0.116 J 0.125	ND 0.125	ND 0.120	ND 0.116	2.15 0.105	**43.0** 1.69	1.02 0.443	0.528 0.118	0.479 0.198
Di-n-octylphthalate	1100	10000	100	ND 2.56	ND 0.243	ND 0.122	ND 0.125	ND 0.125	ND 0.120	ND 0.116	0.577 0.105	ND 1.69	ND 0.443	ND 0.118	ND 0.198
Benzo[b]fluoranthene	0.9	4	50	46.2 2.56	ND 0.243	ND 0.122	**2.03** 0.125	**1.11** 0.125	ND 0.120	ND 0.116	ND 0.105	**26.1** 1.69	0.605 0.443	0.234 0.118	0.210 0.198
Benzo[k]fluoranthene	0.9	4	500	38.3 2.56	ND 0.243	ND 0.122	**1.59** 0.125	**0.982** 0.125	ND 0.120	ND 0.116	**1.57** 0.105	**20.9** 1.69	0.450 0.443	0.364 0.118	0.302 0.198
Benzo[a]pyrene	0.66	0.66	100	55.9 2.56	ND 0.243	ND 0.122	**2.25** 0.125	**1.37** 0.125	ND 0.120	ND 0.116	**1.84** 0.105	**33.2** 1.69	**0.746** 0.443	0.405 0.118	0.347 0.198
Indeno[1,2,3-cd]pyrene	0.9	4	500	24.3 2.56	ND 0.243	ND 0.122	**1.38** 0.125	0.742 0.125	ND 0.120	ND 0.116	**1.17** 0.105	**15.7** 1.69	0.389 J 0.443	0.211 0.118	0.154 J 0.198
Dibenz[a,h]anthracene	0.66	0.66	100	12.1 2.56	ND 0.243	ND 0.122	**0.764** 0.125	0.414 0.125	ND 0.120	ND 0.116	**0.677** 0.105	**6.86** 1.69	ND 0.443	0.090 J 0.118	ND 0.198
Benzo[g,h,i]perylene	(NA)	(NA)	(NA)	23.5 2.56	ND 0.243	ND 0.122	1.48 0.125	0.866 0.125	ND 0.120	ND 0.116	1.37 0.105	17.2 1.69	0.405 J 0.443	0.244 0.118	0.174 J 0.198
TOTAL BNA'S:	NA	NA	NA	1150	ND	ND	28.7 J	25.6 J	ND	ND	26.9 J	636	14.5 J	8.39 J	8.01 J
TOTAL TIC's:	NA	NA	NA	70.7	ND	ND	2.27	8.05	ND	ND	4.96	37.1	4.51	ND	16.2
TOTAL BNA'S & TIC's.	NA	NA	NA	1220	ND	ND	31.0 J	33.7 J	ND	ND	31.9 J	673	19.0 J	8.39 J	24.2 J

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-1A		3Y-1B		3Y-1C		3Y-1D		3Y-1R		3Y-2A		3Y-2B		3Y-2C		3Y-2D		3Y-2E		3Y-2R		3Y-3A	
Sample Depth (ft bg):	RDC	NRDC	IGW	0-0.5/2-2.5 (VOs)		6.5-7		22.5-23		56.5-57		18-18.5		0-0.5/2-2.5 (VOs)		6-6.5		20-20.5		47.5-48		2-2.5		36-36.5		0-0.5/2-2.5 (VOs)	
Lab ID:	SCC	NRDC	SCC	02014-001		02014-002		02014-003		02111-001		02014-004		01940-005		01940-006		01940-007		01997-001		01997-002		01997-003		02111-002	
Date Sampled:				3/4/05		3/4/05		3/4/05		3/7/05		3/4/05		3/2/05		3/2/05		3/2/05		3/4/05		3/4/05		3/4/05		3/7/05	
Matrix:				Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
PCB's (ppm)																											
Aroclor-1016	0.49	2	50	ND	0.017	ND	0.017	ND	0.018	ND	0.016	ND	0.018	ND	0.020	ND	0.018	ND	0.018	ND	0.016	ND	0.019	ND	0.018	ND	0.018
Aroclor-1221	0.49	2	50	ND	0.017	ND	0.017	ND	0.018	ND	0.016	ND	0.018	ND	0.020	ND	0.018	ND	0.018	ND	0.016	ND	0.019	ND	0.018	ND	0.018
Aroclor-1232	0.49	2	50	ND	0.017	ND	0.017	ND	0.018	ND	0.016	ND	0.018	ND	0.020	ND	0.018	ND	0.018	ND	0.016	ND	0.019	ND	0.018	ND	0.018
Aroclor-1242	0.49	2	50	ND	0.017	ND	0.017	ND	0.018	ND	0.016	ND	0.018	ND	0.020	ND	0.018	ND	0.018	ND	0.016	ND	0.019	ND	0.018	ND	0.018
Aroclor-1248	0.49	2	50	ND	0.017	ND	0.017	ND	0.018	ND	0.016	ND	0.018	ND	0.020	ND	0.018	ND	0.018	ND	0.016	ND	0.019	ND	0.018	ND	0.018
Aroclor-1254	0.49	2	50	ND	0.017	ND	0.017	ND	0.018	ND	0.016	ND	0.018	ND	0.020	ND	0.018	ND	0.018	ND	0.016	ND	0.019	ND	0.018	ND	0.018
Aroclor-1260	0.49	2	50	ND	0.017	ND	0.017	ND	0.018	ND	0.016	ND	0.018	ND	0.020	ND	0.018	ND	0.018	ND	0.016	ND	0.019	ND	0.018	ND	0.018
Pesticides (ppm)																											
alpha-BHC	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
beta-BHC	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
gamma-BHC	0.52	2.2	50	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
delta-BHC	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Heptachlor	0.15	0.65	50	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Aldrin	0.04	0.17	50	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Heptachlor epoxide	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Endosulfan I	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
4,4'-DDE	2	9	50	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Dieldrin	0.042	0.18	50	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Endrin	17	310	50	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Endosulfan II	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
4,4'-DDD	3	12	50	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Endrin aldehyde	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Endosulfan sulfate	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
4,4'-DDT	2	9	500	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Endrin ketone	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Methoxychlor	280	5200	50	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
alpha-Chlordane	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
gamma-Chlordane	(NA)	(NA)	(NA)	ND	0.00419	ND	0.00435	ND	0.0046	ND	0.00396	ND	0.0045	ND	0.0051	ND	0.00454	ND	0.00455	ND	0.00392	ND	0.0047	ND	0.00451	ND	0.00442
Toxaphene	0.1	0.2	50	ND	0.021	ND	0.022	ND	0.023	ND	0.020	ND	0.023	ND	0.025	ND	0.023	ND	0.023	ND	0.020	ND	0.023	ND	0.023	ND	0.022
Metals (ppm)																											
Aluminum	(NA)	(NA)	(NA)	11400	458	4960	12.6	7580	12.0	3560	11.7	8520	12.4	10900	12.9	12200	476	6090	12.1	7490	11.0	8590	12.7	19200	516	5830	11.8
Antimony	14	340	NA	ND	1.14	ND	1.26	ND	1.20	ND	1.17	ND	1.24	ND	1.29	ND	1.19	ND	1.21	ND	1.10	ND	1.27	ND	1.29	ND	1.18
Arsenic	20	20	NA	18.3	1.14	21.3	1.26	1.80	1.20	ND	1.17	ND	1.24	16.7	1.29	ND	1.19	1.67	1.21	3.76	1.10	34.5	1.27	4.63	1.29	16.9	1.18
Barium	700	47000	NA	123	11.4	60.5	12.6	28.6	12.0	14.6	11.7	ND	12.4	99.7	12.9	17.0	11.9	31.9	12.1	73.6	11.0	445	12.7	103	12.9	60.9	11.8
Beryllium	2	2	NA	3.45	0.572	ND	0.630	ND	0.600	ND	0.585	ND	0.620	ND	0.643	ND	0.595	ND	0.605	ND	0.551	ND	0.635	0.830	0.645	ND	0.590
Cadmium	39	100	NA	0.864	0.286	0.416	0.315	ND	0.300	ND	0.293	ND	0.310	0.709	0.321	ND	0.298	ND	0.303	0.310	0.275	1.23	0.318	ND	0.323	0.567	0.295
Calcium	(NA)	(NA)	(NA)	12100	57.2	7150	63.0	693	60.0	2600	58.5	568	62.0	16900	64.3	830	59.5	1030	60.5	3040	55.1	3180	63.5	7940	64.5	4070	59.0
Chromium	(NA)	(NA)	(NA)	62.4	2.29	26.8	2.52	9.97	2.40	6.42	2.34	9.43	2.48	27.1	2.57	14.7	2.38	9.36	2.42	14.0	2.20	19.3	2.54	23.2	2.58	15.9	2.36
Cobalt	(NA)	(NA)	(NA)	10.6	2.29	20.4	2.52	5.22	2.40	2.78	2.34	4.12	2.48	9.01	2.57	4.55	2.38	5.36	2.42	5.36	2.20	12.7	2.54	14.2	2.58	6.63	2.36
Copper	600	600	(NA)	154	2.29	126	2.52	14.5	2.40	6.61	2.34	11.4	2.48	123	2.57	11.1	2.38	10.4	2.42	22.0	2.20	114	2.54	26.1	2.58	175	2.36
Iron	(NA)	(NA)	(NA)	32400	28.6	100000	1260	15200	30.0	5930	29.3	13600	31.0	19600	32.1	15100	29.8	12200	30.3	9700	27.5	50900	31.8	29400	32.3	21600	29.5
Lead	400	600	NA	286	0.572	132	0.630	4.84	0.600	2.59	0.585	5.42	0.620	163	0.643	8.31	0.595	4.51	0.605	12.2	0.551	514	0.635	15.4	0.645	287	0.590
Magnesium	(NA)	(NA)	(NA)	5300	57.2	1520	63.0	3160	60.0	2800	58.5	3450	62.0	6480	64.3	3660	59.5	2700	60.5	5540	55.1	1540	63.5	10100	64.5	1440	59.0
Manganese	(NA)	(NA)	(NA)	459	1.14	742	1.26	189	1.20	149	1.17	108	1.24	348	1.29	105	1.19	194	1.21	395	1.10	490	1.27	676	1.29	140	1.18
Mercury	14	270	NA	1.46	0.071	0.638	0.078	0.016	0.015	ND	0.015	0.030	0.015	0.427	0.016	0.062	0.015	ND	0.015	ND	0.014	0.676	0.016	0.029	0.016	0.357	0.015
Nickel	250	2400	NA	46.8	1.14	43.3	1.26	11.7	1.20	6.00	1.17	12.0	1.24	23.6	1.29	14.3	1.19	12.4	1.21	11.4	1.10	22.9	1.27	29.2	1.29	19.5	1.18
Potassium	(NA)	(NA)	(NA)	1830	57.2	367	63.0	751	60.0	968	58.5	702	62.0	1190	64.3	778	59.5	697	60.5	2360	55.1	489	63.5	2500	64.5	476	59.0
Selenium	63	3100	NA	ND	2.29	ND	2.52	ND	2.40	ND	2.34	ND	2.48	ND	2.57	ND	2.38	ND	2.42	ND	2.20	ND	2.54	ND	2.58	ND	2.36
Silver	110	4100	NA	ND	0.572	ND	0.630	ND	0.600	ND	0.585	ND	0.620	ND	0.643	ND	0.595	ND	0.605	ND	0.551	ND	0.635	ND	0.645	ND	0.590
Sodium	(NA)	(NA)	(NA)	478	114	322	126	ND	120	150	117	156	124	413	129	160	119	169	121	319	110	247	127	339	129	672	118
Thallium	2	2	NA	0.425	0.114	0.376	0.126	ND	0.120	ND	0.117	ND	0.124	0.329	0.129	ND	0.119	ND	0.121	0.130	0.110	1.07	0.127	ND	0.129	0.403	0.118
Vanadium	370	7100	NA	34.0	2.29	47.6	2.52	11.3	2.40	9.06	2.34	11.2	2.48	39.6	2.57	19.3	2.38	11.0	2.42	21.9	2.20	28.3	2.54	27.6	2.58	19.3	2.36
Zinc	1500	1500	NA	364	2.29	117	2.52	30.9	2.40	17.0	2.34	29.6	2.48	160	2.57	41.0	2.38	26.5	2.42	42.1	2.20	475	2.54	68.4	2.58	184	2.36
General Analytical																											
Cyanide, Total-ppm	(NA)	(NA)	(NA)	ND	1.14	ND	1.25	ND	1.20	ND	1.18	ND	1.23	ND	1.28	ND	1.20	ND	1.22	ND	1.11	ND	1.26	ND	1.29	ND	1.19
Ammonia-ppm	(NA)	(NA)	(NA)	ND	0.229	0.627	0.249	ND	0.240	ND	0.236	ND	0.245	0.336	0.256	0.865	0.240	ND	0.244	ND	0.221	ND	0.252	ND	0.259	ND	0.238

NOTES:

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
RDC SCC = NJDEP Residential Direct Contact Soil Cleanup Criteria
NRDC SCC = NJDEP Non-Residential Direct Contact Soil Cleanup Criteria
IGW SCC = NJDEP Impact to Groundwater Soil Cleanup Criteria
Concentration in **BOLD** exceed the SCC

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-3B		3Y-3C		3Y-3D		3Y-4A		3Y-4B		3Y-4C		3Y-4D		3Y-5A		3Y-5B		3Y-5C		3Y-5D		3Y-5R	
Sample Depth (ft bg):	RDC	NRDC	IGW	6-6.5		17-17.5		34-34.5		0-0.5/2-2.5 (VOs)		6-6.5		14-14.5		44-44.5		0-0.5/4-4.5(VOs)		6-6.5		16-16.5		38-38.5		17-17.5	
Lab ID:	SCC	SCC	SCC	02111-003		02111-004		02152-001		01940-001		01940-002		01940-003		01940-004		02152-002		02152-003		02152-004		02152-005		02152-006	
Date Sampled:				3/7/05		3/7/05		3/8/05		3/2/05		3/2/05		3/2/05		3/2/05		3/8/05		3/8/05		3/8/05		3/8/05		3/8/05	
Matrix:				Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
PCB's (ppm)																											
Aroclor-1016	0.49	2	50	ND	0.019	ND	0.018	ND	0.018	ND	0.020	ND	0.019	ND	0.018	ND	0.018	ND	0.015	ND	0.023	ND	0.034	ND	0.017	ND	0.032
Aroclor-1221	0.49	2	50	ND	0.019	ND	0.018	ND	0.018	ND	0.020	ND	0.019	ND	0.018	ND	0.018	ND	0.015	ND	0.023	ND	0.034	ND	0.017	ND	0.032
Aroclor-1232	0.49	2	50	ND	0.019	ND	0.018	ND	0.018	ND	0.020	ND	0.019	ND	0.018	ND	0.018	ND	0.015	ND	0.023	ND	0.034	ND	0.017	ND	0.032
Aroclor-1242	0.49	2	50	ND	0.019	ND	0.018	ND	0.018	ND	0.020	ND	0.019	ND	0.018	ND	0.018	ND	0.015	ND	0.023	ND	0.034	ND	0.017	ND	0.032
Aroclor-1248	0.49	2	50	ND	0.019	ND	0.018	ND	0.018	ND	0.020	ND	0.019	ND	0.018	ND	0.018	ND	0.015	ND	0.023	ND	0.034	ND	0.017	ND	0.032
Aroclor-1254	0.49	2	50	ND	0.019	ND	0.018	ND	0.018	ND	0.020	ND	0.019	ND	0.018	ND	0.018	ND	0.015	ND	0.023	ND	0.034	ND	0.017	ND	0.032
Aroclor-1260	0.49	2	50	ND	0.019	ND	0.018	ND	0.018	ND	0.020	ND	0.019	ND	0.018	ND	0.018	ND	0.015	ND	0.023	ND	0.034	ND	0.017	ND	0.032
Pesticides (ppm)																											
alpha-BHC	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
beta-BHC	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
gamma-BHC	0.52	2.2	50	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
delta-BHC	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Heptachlor	0.15	0.65	50	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Aldrin	0.04	0.17	50	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Heptachlor epoxide	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Endosulfan I	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
4,4'-DDE	2	9	50	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Dieldrin	0.042	0.18	50	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Endrin	17	310	50	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Endosulfan II	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
4,4'-DDD	3	12	50	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Endrin aldehyde	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Endosulfan sulfate	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
4,4'-DDT	2	9	500	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Endrin ketone	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Methoxychlor	280	5200	50	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
alpha-Chlordane	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
gamma-Chlordane	(NA)	(NA)	(NA)	ND	0.00468	ND	0.00449	ND	0.00461	ND	0.00487	ND	0.00476	ND	0.0045	ND	0.00447	ND	0.00368	ND	0.00578	ND	0.00852	ND	0.00419	ND	0.00791
Toxaphene	0.1	0.2	50	ND	0.023	ND	0.023	ND	0.023	ND	0.024	ND	0.024	ND	0.023	ND	0.022	ND	0.018	ND	0.029	ND	0.043	ND	0.021	ND	0.040
Metals (ppm)																											
Aluminum	(NA)	(NA)	(NA)	2140	12.8	7630	12.2	12100	12.4	10900	13.1	14200	502	9800	12.3	4140	11.8	13200	268	1540	17.2	8750	23.0	7330	12.0	9510	20.3
Antimony	14	340	NA	ND	1.28	ND	1.22	ND	1.24	ND	1.31	ND	1.26	ND	1.23	ND	1.18	ND	1.07	ND	1.72	ND	2.30	ND	1.20	ND	2.03
Arsenic	20	20	NA	5.04	1.28	3.27	1.22	8.51	1.24	6.43	1.31	8.31	1.26	2.25	1.23	5.10	1.18	3.50	1.07	2.84	1.72	5.49	2.30	3.09	1.20	2.07	2.03
Barium	700	47000	NA	27.8	12.8	44.0	12.2	79.9	12.4	78.5	13.1	90.7	12.6	31.0	12.3	21.9	11.8	32.8	10.7	30.5	17.2	ND	23.0	62.8	12.0	21.6	20.3
Beryllium	2	2	NA	ND	0.640	ND	0.608	1.03	0.618	ND	0.653	ND	0.628	ND	0.615	ND	0.590	ND	0.535	ND	0.858	ND	1.15	ND	0.600	ND	1.02
Cadmium	39	100	NA	ND	0.320	0.410	0.304	0.490	0.309	0.451	0.326	1.17	0.314	ND	0.308	ND	0.295	ND	0.268	ND	0.429	ND	0.575	0.427	0.300	ND	0.508
Calcium	(NA)	(NA)	(NA)	13900	64.0	880	60.8	4860	61.8	11600	65.3	19700	62.8	938	61.5	2050	59.0	6010	53.5	261000	2150	2740	115	3000	60.0	1320	102
Chromium	(NA)	(NA)	(NA)	8.46	2.56	12.5	2.43	21.5	2.47	26.7	2.61	20.3	2.51	14.6	2.46	9.17	2.36	16.2	2.14	5.28	3.43	16.3	4.60	22.3	2.40	17.0	4.06
Cobalt	(NA)	(NA)	(NA)	2.96	2.56	15.3	2.43	14.8	2.47	11.0	2.61	8.80	2.51	7.21	2.46	3.47	2.36	8.02	2.14	ND	3.43	7.63	4.60	4.91	2.40	5.25	4.06
Copper	600	600	(NA)	17.9	2.56	14.6	2.43	42.6	2.47	85.5	2.61	57.1	2.51	20.1	2.46	20.4	2.36	38.7	2.14	ND	3.43	8.19	4.60	14.3	2.40	11.0	4.06
Iron	(NA)	(NA)	(NA)	5940	32.0	14200	30.4	18900	30.9	17900	32.6	19200	31.4	19700	30.8	6470	29.5	13800	26.8	1340	42.9	16400	57.5	11400	30.0	13400	50.8
Lead	400	600	NA	31.8	0.640	8.14	0.608	42.7	0.618	117	0.653	501	0.628	22.4	0.615	10.9	0.590	24.4	0.535	32.1	0.858	7.12	1.15	8.07	0.600	6.23	1.02
Magnesium	(NA)	(NA)	(NA)	716	64.0	3510	60.8	8490	61.8	9410	65.3	6770	62.8	3740	61.5	2930	59.0	4820	53.5	4250	85.8	3400	115	5200	60.0	3440	102
Manganese	(NA)	(NA)	(NA)	73.1	1.28	123	1.22	590	1.24	352	1.31	264	1.26	414	1.23	175	1.18	256	1.07	27.6	1.72	149	2.30	373	1.20	156	2.03
Mercury	14	270	NA	0.231	0.016	0.020	0.015	ND	0.016	0.168	0.016	0.138	0.016	0.023	0.015	ND	0.015	0.056	0.014	0.316	0.022	0.034	0.029	ND	0.015	0.030	0.025
Nickel	250	2400	NA	7.63	1.28	16.0	1.22	25.0	1.24	82.7	1.31	29.4	1.26	16.0	1.23	6.21	1.18	18.8	1.07	4.01	1.72	14.8	2.30	10.7	1.20	14.1	2.03
Potassium	(NA)	(NA)	(NA)	211	64.0	870	60.8	3100	61.8	1730	65.3	1190	62.8	867	61.5	1620	59.0	457	53.5	ND	85.8	1610	115	3500	60.0	1470	102
Selenium	63	3100	NA	ND	2.56	ND	2.43	ND	2.47	ND	2.61	ND	2.51	ND	2.46	ND	2.36	ND	2.14	ND	3.43	ND	4.60	ND	2.40	ND	4.06
Silver	110	4100	NA	ND	0.640	ND	0.608	ND	0.618	ND	0.653	ND	0.628	ND	0.615	ND	0.590	ND	0.535	ND	0.858	ND	1.15	ND	0.600	ND	1.02
Sodium	(NA)	(NA)	(NA)	230	128	150	122	728	124	458	131	1230	126	168	123	184	118	972	107	ND	172	1290	230	477	120	1160	203
Thallium	2	2	NA	0.155	0.128	ND	0.122	0.453	0.124	0.154	0.131	ND	0.126	ND	0.123	ND	0.118	ND	0.107	ND	0.172	ND	0.230	0.149	0.120	ND	0.203
Vanadium	370	7100	NA	7.42	2.56	14.6	2.43	38.8	2.47	32.1	2.61	22.3	2.51	14.0	2.46	14.7	2.36	22.2	2.14	4.92	3.43	19.7	4.60	27.9	2.40	18.1	4.06
Zinc	1500	1500	NA	25.1	2.56	41.2	2.43	170	2.47	112	2.61	464	2.51	60.2	2.46	54.7	2.36	37.2	2.14	8.00	3.43	37.8	4.60	35.3	2.40	35.5	4.06
General Analytical																											
Cyanide, Total-ppm	(NA)	(NA)	(NA)	4.73	1.28	ND	1.22	ND	1.25	ND	1.29	ND	1.25	ND	1.23	ND	1.18	ND	1.07	282	17.3	3.62	2.29	ND	1.20	ND	2.04
Ammonia-ppm	(NA)	(NA)	(NA)	ND	0.256	0.263	0.243	0.300	0.250	ND	0.257	ND	0.251	ND	0.247	ND	0.237	0.556	0.214	ND	0.346	2.16	0.458	ND	0.240	1.53	0.409

NOTES:

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
RDC SCC = NJDEP Residential Direct Contact Soil Cleanup Criteria
NRDC SCC = NJDEP Non-Residential Direct Contact Soil Cleanup Criteria
IGW SCC = NJDEP Impact to Groundwater Soil Cleanup Criteria
Concentration in **BOLD** exceed the SCC

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-6			3Y-7			3Y-8			3Y-9			3Y-10			3Y-11			3Y-12			3Y-13			3Y-14A			3Y-14C			3Y-14A			3Y-15		
Sample Depth (ft bg):	RDC	NRDC	IGW	6.5/7			6.5/7			6.5/7			6.5/7			2/2.5			2/2.5			2/2.5			2/2.5			0/0.5			17/17.5			4/4.5			5/5.5		
Lab ID:	SCC	SCC	SCC	08185-009			08185-010			08234-001			08185-005			08185-008			08185-004			08185-006			08185-007			08185-001			08185-002			08185-003			08234-002		
Date Sampled:				08/04/2005			08/04/2005			08/05/2005			08/04/2005			08/04/2005			08/04/2005			08/04/2005			08/04/2005			08/04/2005			08/04/2005			08/04/2005			08/05/2005		
Matrix:				Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil		
VOCs (ppm)				Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Chloromethane	520	1000	10	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Vinyl chloride	2	7	10	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Bromomethane	79	1000	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Chloroethane	(NA)	(NA)	(NA)	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Trichlorofluoromethane	(NA)	(NA)	(NA)	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Acrolein	(NA)	(NA)	(NA)	ND		4.76	ND		3.89	ND		1.34	ND		1.64	ND		1.50	ND		1.40	ND		3.71	ND		1.51	~		~	ND		0.978	ND		0.953	ND		1.06
1,1-Dichloroethene	8	150	10	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Methylene chloride	49	210	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Acrylonitrile	1	5	1	ND		4.76	ND		3.89	ND		1.34	ND		1.64	ND		1.50	ND		1.40	ND		3.71	ND		1.51	~		~	ND		0.978	ND		0.953	ND		1.06
trans-1,2-Dichloroethene	1000	1000	50	ND		0.953	ND		0.778	ND		0.672	0.222	J	0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,1-Dichloroethane	570	1000	10	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Chloroform	19	28	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,1,1-Trichloroethane	210	1000	50	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Carbon tetrachloride	2	4	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,2-Dichloroethane (EDC)	6	24	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Benzene	3	13	1	0.882		0.476	**5.81**		0.389	0.248	J	0.672	0.183	J	0.821	ND		0.752	**35.4**		0.699	**21.0**		0.371	**5.71**		0.757	~		~	ND		0.489	0.336	J	0.476	ND		0.530
Trichloroethene	23	54	1	ND		0.953	ND		0.778	0.171	J	0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,2-Dichloropropane	10	43	NA	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Bromodichloromethane	11	46	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
2-Chloroethyl vinyl ether	(NA)	(NA)	(NA)	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
cis-1,3-Dichloropropene	(NA)	(NA)	(NA)	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Toluene	1000	1000	500	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
trans-1,3-Dichloropropene	(NA)	(NA)	(NA)	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	0.747		0.699	3.87		0.741	0.549	J	0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,1,2-Trichloroethane	22	420	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Tetrachloroethene	4	6	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Dibromochloromethane	110	1000	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Chlorobenzene	37	680	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Ethylbenzene	1000	1000	100	1.57		0.953	1.21		0.778	0.165	J	0.672	ND		0.821	ND		0.752	1.46		0.699	5.14		0.741	1.09		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Total Xylenes	410	1000	67	ND		0.953	2.64		0.778	ND		0.672	ND		0.821	ND		0.752	3.25		0.699	4.92		0.741	2.05		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
Bromoform	86	370	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,1,2,2-Tetrachloroethane	34	70	1	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,3-Dichlorobenzene	5100	10000	100	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,4-Dichlorobenzene	570	10000	100	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
1,2-Dichlorobenzene	5100	10000	50	ND		0.953	ND		0.778	ND		0.672	ND		0.821	ND		0.752	ND		0.699	ND		0.741	ND		0.757	~		~	ND		0.489	ND		0.476	ND		0.530
TOTAL VO's:	NA	NA	NA	2.45		9.66			0.584	J		0.405	J			ND			40.9			34.9			9.40	J					ND			0.336	J		ND		
TOTAL TIC's:	NA	NA	NA	178		110			2.63			18.5				ND			5.20			88.5			9.92			~		~	ND			14.5			ND		
TOTAL VO's & TIC's:	NA	NA	NA	180		120			3.21	J		18.9	J			ND			46.1			123			19.3	J		~		~	ND			14.8	J		ND		
General Analytical																																							
Ammonia-ppm	(NA)	(NA)	(NA)	1.50		0.343	0.984		0.249	ND		0.236	0.997		0.243	ND		0.259	0.411		0.257	ND		0.237	0.568		0.260	ND		0.211	ND		0.242	0.378		0.244	ND		0.246

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
Concentrations in **BOLD** exceed the SCC.

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-16			3Y-17			3Y-18			3Y-19			3Y-20			3Y-21			3Y-22			3Y-23			3Y-24			3Y-25			3Y-27		
Sample Depth (ft bg):	RDC	NRDC	IGW	4/4.5			5/5.5			5/5.5			6/6.5			5.5/6			6/6.5			5/5.5			6/6.6			6.5/7			2/2.5			6/6.5		
Lab ID:	SCC	SCC	SCC	08234-003			08234-004			08234-005			12580-001			12580-002			12580-003			12580-004			12580-005			12580-006			12580-007			12580-008		
Date Sampled:				08/05/2005			08/05/2005			08/05/2005			11/21/2005			11/21/2005			11/21/2005			11/21/2005			11/21/2005			11/21/2005			11/21/2005			11/21/2005		
Matrix:				Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil			Soil		
VOCs (ppm)				Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Chloromethane	520	1000	10	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Vinyl chloride	2	7	10	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Bromomethane	79	1000	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Chloroethane	(NA)	(NA)	(NA)	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Trichlorofluoromethane	(NA)	(NA)	(NA)	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Acrolein	(NA)	(NA)	(NA)	ND		0.978	ND		0.990	ND		1.00	ND		4.48	ND		1.81	ND		1.19	ND		1.64	ND		5.39	ND		1.22	ND		3.94	ND		1.30
1,1-Dichloroethene	8	150	10	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Methylene chloride	49	210	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Acrylonitrile	1	5	1	ND		0.978	ND		0.990	ND		1.00	ND		4.48	ND		1.81	ND		1.19	ND		1.64	ND		5.39	ND		1.22	ND		3.94	ND		1.30
trans-1,2-Dichloroethene	1000	1000	50	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,1-Dichloroethane	570	1000	10	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Chloroform	19	28	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,1,1-Trichloroethane	210	1000	50	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Carbon tetrachloride	2	4	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,2-Dichloroethane (EDC)	6	24	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Benzene	3	13	1	ND		0.489	ND		0.495	ND		0.502	0.663		0.448	1.08		0.903	0.221	J	0.594	0.592	J	0.818	ND		0.539	ND		0.608	31.3		0.394	ND		0.648
Trichloroethene	23	54	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,2-Dichloropropane	10	43	NA	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Bromodichloromethane	11	46	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
2-Chloroethyl vinyl ether	(NA)	(NA)	(NA)	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
cis-1,3-Dichloropropene	(NA)	(NA)	(NA)	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Toluene	1000	1000	500	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	0.349	J	0.594	ND		0.818	ND		1.08	ND		0.608	60.0		0.787	ND		0.648
trans-1,3-Dichloropropene	(NA)	(NA)	(NA)	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,1,2-Trichloroethane	22	420	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Tetrachloroethene	4	6	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Dibromochloromethane	110	1000	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Chlorobenzene	37	680	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
Ethylbenzene	1000	1000	100	ND		0.489	ND		0.495	ND		0.502	ND		0.895	0.476	J	0.903	0.138	J	0.594	0.324	J	0.818	12.6		1.08	ND		0.608	ND		0.787	ND		0.648
Total Xylenes	410	1000	67	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	1.31		0.594	0.294	J	0.818	7.60		1.08	ND		0.608	ND		0.787	ND		0.648
Bromoform	86	370	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,1,2,2-Tetrachloroethane	34	70	1	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,3-Dichlorobenzene	5100	10000	100	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,4-Dichlorobenzene	570	10000	100	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
1,2-Dichlorobenzene	5100	10000	50	ND		0.489	ND		0.495	ND		0.502	ND		0.895	ND		0.903	ND		0.594	ND		0.818	ND		1.08	ND		0.608	ND		0.787	ND		0.648
TOTAL VO's:	NA	NA	NA	ND			ND			ND			0.663			1.54	J		2.02	J		1.21	J		20.2			ND			91.3			ND		
TOTAL TIC's:	NA	NA	NA	ND			ND			0.643			122			214			53.5			14.9			4500			ND			ND			ND		
TOTAL VO's & TIC's:	NA	NA	NA	ND			ND			0.643			123			216	J		55.5	J		16.1	J		4520			ND			91.3			ND		
General Analytical																																				
Ammonia-ppm	(NA)	(NA)	(NA)	0.416		0.242	0.336		0.249	0.536		0.237	~		~	~		~	~		~	~		~	~		~	~		~	~		~	~		~

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
Concentrations in **BOLD** exceed the SCC.

Table 2

SUMMARY OF LABORATORY RESULTS FOR SOIL SAMPLES

Three Y, LLC Properties, 163 Old River Road
Edgewater, NJ

Client ID:	NJDEP	NJDEP	NJDEP	3Y-14B		
Sample Depth (ft bg):	RDC	NRDC	IGW	4/4.5		
Lab ID:	SCC	SCC	SCC	08185-003		
Date Sampled:				08/04/2005		
Matrix:				Soil		
Semivolatiles - BN (ppm)						
N-Nitrosodimethylamine	(NA)	(NA)	(NA)	ND		0.934
Aniline	(NA)	(NA)	(NA)	ND		0.934
bis(2-Chloroethyl)ether	0.66	3	10	ND		0.934
1,3-Dichlorobenzene	5100	10000	100	ND		0.934
1,4-Dichlorobenzene	570	10000	100	ND		0.934
Benzyl alcohol	10000	10000	50	ND		0.934
1,2-Dichlorobenzene	(NA)	(NA)	(NA)	ND		0.934
bis(2-chloroisopropyl)ether	2300	10000	10	ND		0.934
N-Nitroso-di-n-propylamine	0.66	0.66	10	ND		0.934
Hexachloroethane	6	100	100	ND		0.934
Nitrobenzene	28	520	10	ND		0.934
Isophorone	1100	10000	50	ND		0.934
bis(2-Chloroethoxy)methane	(NA)	(NA)	(NA)	ND		0.934
1,2,4-Trichlorobenzene	68	1200	100	ND		0.934
Naphthalene	230	4200	100	77.6		0.934
4-Chloroaniline	230	4200	NA	ND		0.934
Hexachlorobutadiene	1	21	100	ND		0.934
2-Methylnaphthalene	(NA)	(NA)	(NA)	38.6		0.934
Hexachlorocyclopentadiene	400	7300	100	ND		0.934
2-Chloronaphthalene	(NA)	(NA)	(NA)	ND		0.934
2-Nitroaniline	(NA)	(NA)	(NA)	ND		0.934
Dimethylphthalate	10000	10000	50	ND		0.934
2,6-Dinitrotoluene	1	4	10	ND		0.934
Acenaphthylene	(NA)	(NA)	(NA)	3.93		0.934
3-Nitroaniline	(NA)	(NA)	(NA)	ND		0.934
Acenaphthene	3400	10000	100	45.6		0.934
2,4-Dinitrotoluene	1	4	10	ND		0.934
Dibenzofuran	(NA)	(NA)	(NA)	29.1		0.934
Diethylphthalate	10000	10000	50	ND		0.934
Fluorene	2300	10000	100	46.4		0.934
4-Chlorophenyl-phenylether	(NA)	(NA)	(NA)	ND		0.934
4-Nitroaniline	(NA)	(NA)	(NA)	ND		0.934
N-Nitrosodiphenylamine	140	600	100	ND		0.934
1,2-Diphenylhydrazine/Azobenzene	(NA)	(NA)	(NA)	ND		0.934
4-Bromophenyl-phenylether	(NA)	(NA)	(NA)	ND		0.934
Hexachlorobenzene	0.66	2	100	ND		0.934
Phenanthrene	(NA)	(NA)	(NA)	114		0.934
Anthracene	10000	10000	100	45.3		0.934
Carbazole	(NA)	(NA)	(NA)	16.0		0.934
Di-n-butylphthalate	5700	10000	100	ND		0.934
Fluoranthene	2300	10000	100	98.4		0.934
Benzidine	(NA)	(NA)	(NA)	ND		0.934
Pyrene	1700	10000	100	71.5		0.934
3,3'-Dimethylbenzidine	(NA)	(NA)	(NA)	ND		0.934
Butylbenzylphthalate	1100	10000	100	ND		0.934
3,3'-Dichlorobenzidine	2	6	100	ND		0.934
Benzo[a]anthracene	0.9	4	500	40.9		0.934
Chrysene	9	40	500	41.4		0.934
bis(2-Ethylhexyl)phthalate	49	210	100	ND		0.934
Di-n-octylphthalate	1100	10000	100	ND		0.934
Benzo[b]fluoranthene	0.9	4	50	26.1		0.934
Benzo[k]fluoranthene	0.9	4	500	21.8		0.934
Benzo[a]pyrene	0.66	0.66	100	31.8		0.934
Indeno[1,2,3-cd]pyrene	0.9	4	500	17.1		0.934
Dibenz[a,h]anthracene	0.66	0.66	100	8.10		0.934
Benzo[g,h,i]perylene	(NA)	(NA)	(NA)	16.6		0.934
TOTAL BN'S:	NA	NA	NA	790		
TOTAL TIC's:	NA	NA	NA	152		
TOTAL BN'S & TIC's:	NA	NA	NA	942		

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
Concentrations in **BOLD** exceed SCC.

TABLE 3

SUMMARY OF SOIL SAMPLES EXCEEDING NJDEP SCC

Three Y, LLC Properties
163 Old River Road, Edgewater, NJ

Boring/ Sample ID	Depth	Class of Compounds That Exceed SCC	Material
3Y-1A	0 - 0.5 ft bg	BNAs, Metals	Fill
3Y-1A	2 - 2.5 ft bg	None	Fill
3Y-1B	6.5 - 7 ft bg	BNAs, Metals, VOCs	Fill
3Y-1R	18 - 18.5 ft bg	None	Natural soils
3Y-1C	22.5 - 23 ft bg	None	Natural soils
3Y-1D	56.5 - 57 ft bg	None	Natural soils
3Y-2A	0 - 0.5 ft bg	BNAs	Fill
3Y-2A; 3Y-2E	2 - 2.5 ft bg	BNAs, Metals	Fill
3Y-2B	6 - 6.5 ft bg	None	Natural soils
3Y-2C	20 - 20.5 ft bg	None	Natural soils
3Y-2R	36 - 36.5 ft bg	None	Natural soils
3Y-2D	47.5 - 48 ft bg	None	Natural soils
3Y-3A	0 - 0.5 ft bg	None	Fill
3Y-3A	2 - 2.5 ft bg	VOCs	Fill
3Y-3B	6 - 6.5 ft bg	BNAs	Fill
3Y-3C	17 - 17.5 ft bg	None	Natural soils
3Y-3D	34 - 34.5 ft bg	None	Natural soils
3Y-4A	0 - 0.5 ft bg	BNAs	Fill
3Y-4A	2 - 2.5 ft bg	None	Fill
3Y-4B	6 - 6.5 ft bg	BNAs	Natural soils
3Y-4C	14 - 14.5 ft bg	None	Natural soils
3Y-4D	44 -44.5 ft bg	None	Natural soils
3Y-5A	0 - 0.5 ft bg	BNAs	Fill
3Y-5A	4 - 4.5 ft bg	None	Fill
3Y-5B	6 - 6.5 ft bg	BNAs	Fill
3Y-5C	16 - 16.5 ft bg	BNAs	Natural soils
3Y-5R	17 - 17.5 ft bg	None	Natural soils
3Y-5D	38 - 38.5 ft bg	None	Natural soils
3Y-6	6.5 - 7 ft bg	None	Fill
3Y-7	6.5 - 7 ft bg	VOCs	Fill
3Y-8	6.5 - 7 ft bg	None	Fill
3Y-9	6.5 - 7 ft bg	None	Fill
3Y-10	2-2.5 ft bg	None	Fill
3Y-11	2-2.5 ft bg	VOCs	Fill
3Y-12	2-2.5 ft bg	VOCs	Fill
3Y-13	2-2.5 ft bg	VOCs	Fill
3Y-14A	0-6" bg	None	Fill
3Y-14B	4 - 4.5 ft bg	BNs	Fill
3Y-14C	17 - 17.5 ft bg	None	Natural soils
3Y-15	4 - 4.5 ft bg	None	Fill
3Y-16	4 - 4.5 ft bg	None	Fill
3Y-17	4 - 4.5 ft bg	None	Fill
3Y-18	4 - 4.5 ft bg	None	Fill
3Y-19	6-6.5 ft bg	None	Fill
3Y-20	5.5-6 ft bg	VOCs	Fill
3Y-21	6-6.5 ft bg	None	Fill
3Y-22	5-5.5 ft bg	None	Fill
3Y-23	6-6.5 ft bg	None	Fill
3Y-24	6.5-7 ft bg	None	Fill
3Y-25	2-2.5 ft bg	VOCs	Fill
3Y-26	Not sampled	-	Fill
3Y-27	6-6.5 ft bg	None	Fill

TABLE 4

SUMMARY OF LABORATORY RESULTS FOR GROUND-WATER SAMPLES

Three Y, LLC Properties
163 Old River Road, Edgewater, NJ

Client ID:	NJDEP Ground Water Quality Standards	3Y-MW1						3Y-MW2		
Lab ID:		02623-001			08875-001			08875-002		
Date Sampled:		03/21/2005			08/24/2005			08/24/2005		
VOCs (µg/L)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Dichlorodifluoromethane	1000	ND		0.440	NA		-	NA		-
Chloromethane	30	ND		0.590	ND		0.740	ND		0.740
Vinyl chloride	5	ND		0.540	ND		0.450	ND		0.450
Bromomethane	10	ND		1.16	ND		0.390	ND		0.390
Chloroethane	100	ND		0.970	ND		0.470	ND		0.470
Trichlorofluoromethane	2000	ND		0.680	ND		0.300	ND		0.300
1,1-Dichloroethene	2	ND		0.650	ND		0.360	ND		0.360
Acetone	700	9.01		2.57	NA		-	NA		-
Carbon disulfide	800	ND		0.680	NA		-	NA		-
Methylene chloride	3	ND		1.98	ND		1.99	ND		1.99
trans-1,2-Dichloroethene	100	ND		0.550	ND		0.460	ND		0.460
Methyl-t-butyl ether(MTBE)	70	0.468		0.370	NA		-	NA		-
1,1-Dichloroethane	50	ND		0.450	ND		0.250	ND		0.250
cis-1,2-Dichloroethene	70	ND		0.440	NA		-	NA		-
2-Butanone(MEK)	300	ND		0.320	NA		-	NA		-
Bromochloromethane	NS	ND		0.520	NA		-	NA		-
Chloroform	6	ND		0.460	0.438		0.250	ND		0.250
1,1,1-Trichloroethane	30	ND		0.400	ND		0.250	ND		0.250
Carbon tetrachloride	2	ND		0.410	ND		0.250	ND		0.250
1,2-Dichloroethane(EDC)	2	ND		0.360	ND		0.400	ND		0.400
Benzene	1	1.60		0.470	1.31		0.250	ND		0.250
Trichloroethene	1	ND		0.420	ND		0.350	ND		0.350
1,2-Dichloropropane	1	ND		0.370	ND		0.260	ND		0.260
Bromodichloromethane	1	ND		0.380	ND		0.250	ND		0.250
cis-1,3-Dichloropropene	NS	ND		0.240	ND		0.250	ND		0.250
4-Methyl-2-pentanone(MIBK)	400	ND		0.240	NA		-	NA		-
Toluene	1000	0.698		0.390	0.523		0.250	ND		0.250
trans-1,3-Dichloropropene	NS	ND		0.270	ND		0.310	ND		0.310
1,1,2-Trichloroethane	3	ND		0.450	ND		0.250	ND		0.250
Tetrachloroethene	1	ND		0.330	ND		0.450	ND		0.450
2-Hexanone	100	ND		0.270	NA		-	NA		-
Dibromochloromethane	10	ND		0.350	ND		0.250	ND		0.250
1,2-Dibromoethane(EDB)	0.05	ND		0.380	NA		-	NA		-
Chlorobenzene	50	ND		0.380	ND		0.250	ND		0.250
Ethylbenzene	700	0.589		0.400	0.471		0.250	ND		0.250
Total Xylenes	1000	1.10		1.01	1.88		0.480	ND		0.480
Styrene	100	ND		0.280	NA		-	NA		-
Bromoform	4	ND		0.400	ND		0.250	ND		0.250
Isopropylbenzene	800	ND		0.290	NA		-	NA		-
1,1,2,2-Tetrachloroethane	1	ND		0.410	ND		0.250	ND		0.250
1,3-Dichlorobenzene	600	ND		0.450	ND		0.250	ND		0.250
1,4-Dichlorobenzene	75	ND		0.380	ND		0.250	ND		0.250
1,2-Dichlorobenzene	600	ND		0.370	ND		0.250	ND		0.250
1,2-Dibromo-3-chloropropane	1	ND		0.490	NA		-	NA		-
1,2,4-Trichlorobenzene	9	ND		0.590	NA		-	NA		-
1,2,3-Trichlorobenzene	NS	ND		0.280	NA		-	NA		-
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	ND		0.760	NA		-	NA		-
Methyl acetate	7000	ND		0.730	NA		-	NA		-
Cyclohexane	100	2.07		0.420	NA		-	NA		-
Methylcyclohexane	NS	0.917		0.320	NA		-	NA		-
TOTAL VO's:	NA	16.5			4.62			ND		
TOTAL TIC's:	NA	206			282			ND		
TOTAL VO's & TIC's:	NA	223			287			ND		
General Analytical										
Cyanide, Total-ug/l	NS	ND		20.0	NA		-	NA		-
Ammonia-ug/l	3000	3000		200	3160		200	6340		200

TABLE 4

SUMMARY OF LABORATORY RESULTS FOR GROUND-WATER SAMPLES

Three Y, LLC Properties
163 Old River Road, Edgewater, NJ

Client ID:	NJDEP Ground Water Quality Standards	3Y-MW1						3Y-MW2		
Lab ID:		02623-001			08875-001			08875-002		
Date Sampled:		03/21/2005			08/24/2005			08/24/2005		
BNAs (µg/L)										
Benzaldehyde	NS	ND		0.180	NA		-	NA		-
Phenol	4000	ND		0.150	NA		-	NA		-
bis(2-Chloroethyl)ether	10	ND		0.240	NA		-	NA		-
2-Chlorophenol	40	ND		0.120	NA		-	NA		-
2-Methylphenol	NS	ND		0.180	NA		-	NA		-
bis(2-chloroisopropyl)ether	300	ND		0.200	NA		-	NA		-
4-Methylphenol	NS	ND		0.300	NA		-	NA		-
N-Nitroso-di-n-propylamine	20	ND		0.200	NA		-	NA		-
Acetophenone	1000	ND		0.230	NA		-	NA		-
Hexachloroethane	10	ND		0.190	NA		-	NA		-
Nitrobenzene	10	ND		0.250	NA		-	NA		-
Isophorone	100	ND		0.120	NA		-	NA		-
2-Nitrophenol	100	ND		0.460	NA		-	NA		-
2,4-Dimethylphenol	100	ND		0.220	NA		-	NA		-
bis(2-Chloroethoxy)methane	100	ND		0.120	NA		-	NA		-
2,4-Dichlorophenol	20	ND		0.210	NA		-	NA		-
Naphthalene	300	65.5		0.110	NA		-	NA		-
4-Chloroaniline	30	ND		0.140	NA		-	NA		-
Hexachlorobutadiene	1	ND		0.240	NA		-	NA		-
Caprolactam	NS	ND		0.380	NA		-	NA		-
4-Chloro-3-methylphenol	100	ND		0.230	NA		-	NA		-
2-Methylnaphthalene	100	10.6		0.140	NA		-	NA		-
Hexachlorocyclopentadiene	50	ND		0.330	NA		-	NA		-
2,4,6-Trichlorophenol	20	ND		0.270	NA		-	NA		-
2,4,5-Trichlorophenol	700	ND		0.300	NA		-	NA		-
1-1'-Biphenyl	NS	2.57		0.120	NA		-	NA		-
2-Chloronaphthalene	600	ND		0.120	NA		-	NA		-
2-Nitroaniline	NS	ND		0.500	NA		-	NA		-
Dimethylphthalate	NS	ND		0.190	NA		-	NA		-
2,6-Dinitrotoluene	NS	ND		0.480	NA		-	NA		-
Acenaphthylene	NS	0.373		0.180	NA		-	NA		-
3-Nitroaniline	NS	ND		0.320	NA		-	NA		-
Acenaphthene	400	41.5		0.170	NA		-	NA		-
2,4-Dinitrophenol	40	ND		0.470	NA		-	NA		-
4-Nitrophenol	100	ND		0.460	NA		-	NA		-
2,4-Dinitrotoluene	10	ND		0.450	NA		-	NA		-
Dibenzofuran	100	15.1		0.120	NA		-	NA		-
Diethylphthalate	5000	ND		0.180	NA		-	NA		-
Fluorene	300	20.9		0.180	NA		-	NA		-
4-Chlorophenyl-phenylether	100	ND		0.230	NA		-	NA		-
4-Nitroaniline	NS	ND		0.380	NA		-	NA		-
1,2,4,5-Tetrachlorobenzene	NS	ND		0.230	NA		-	NA		-
4,6-Dinitro-2-methylphenol	100	ND		0.780	NA		-	NA		-
N-Nitrosodiphenylamine	20	ND		0.150	NA		-	NA		-
4-Bromophenyl-phenylether	NS	ND		0.260	NA		-	NA		-
Hexachlorobenzene	10	ND		0.190	NA		-	NA		-
Atrazine	3	ND		0.280	NA		-	NA		-
Pentachlorophenol	1	ND		0.490	NA		-	NA		-
Phenanthrene	100	41.7		0.110	NA		-	NA		-
Anthracene	2000	5.67		0.140	NA		-	NA		-
Carbazole	NS	21.6		0.170	NA		-	NA		-
Di-n-butylphthalate	900	ND		0.160	NA		-	NA		-
Fluoranthene	300	6.19		0.190	NA		-	NA		-

TABLE 4

SUMMARY OF LABORATORY RESULTS FOR GROUND-WATER SAMPLES

Three Y, LLC Properties
163 Old River Road, Edgewater, NJ

Client ID:	NJDEP Ground Water Quality Standards	3Y-MW1						3Y-MW2		
Lab ID:		02623-001			08875-001			08875-002		
Date Sampled:		03/21/2005			08/24/2005			08/24/2005		
BNAs (µg/L) (cont.)										
Pyrene	200	4.58		0.140	NA		-	NA		-
Butylbenzylphthalate	100	0.267	J	0.310	NA		-	NA		-
3,3'-Dichlorobenzidine	60	ND		0.430	NA		-	NA		-
Benzo[a]anthracene	0.2	0.491		0.150	NA		-	NA		-
Chrysene	5	0.477		0.140	NA		-	NA		-
bis(2-Ethylhexyl)phthalate	30	ND		0.370	NA		-	NA		-
Di-n-octylphthalate	100	ND		0.570	NA		-	NA		-
Benzo[b]fluoranthene	10	ND		0.340	NA		-	NA		-
Benzo[k]fluoranthene	1	ND		0.630	NA		-	NA		-
Benzo[a]pyrene	0.2	0.256		0.200	NA		-	NA		-
Indeno[1,2,3-cd]pyrene	10	ND		0.510	NA		-	NA		-
Dibenz[a,h]anthracene	0.5	ND		0.490	NA		-	NA		-
Benzo[g,h,i]perylene	100	ND		0.310	NA		-	NA		-
TOTAL BNA'S:	NS	238	J		NA		-	NA		-
TOTAL TIC's:	NS	16.3			NA		-	NA		-
TOTAL BNA'S & TIC's:	NS	254	J		NA		-	NA		-
PCB's (µg/L)										
Aroclor-1016	0.5	ND		0.200	NA		-	NA		-
Aroclor-1221	0.5	ND		0.200	NA		-	NA		-
Aroclor-1232	0.5	ND		0.200	NA		-	NA		-
Aroclor-1242	0.5	ND		0.200	NA		-	NA		-
Aroclor-1248	0.5	ND		0.200	NA		-	NA		-
Aroclor-1254	0.5	ND		0.200	NA		-	NA		-
Aroclor-1260	0.5	ND		0.200	NA		-	NA		-
Pesticides (µg/L)										
alpha-BHC	0.02	ND		0.010	NA		-	NA		-
beta-BHC	0.2	ND		0.010	NA		-	NA		-
gamma-BHC	0.2	ND		0.010	NA		-	NA		-
delta-BHC	100	ND		0.010	NA		-	NA		-
Heptachlor	0.4	ND		0.010	NA		-	NA		-
Aldrin	0.04	ND		0.010	NA		-	NA		-
Heptachlor epoxide	0.2	ND		0.010	NA		-	NA		-
Endosulfan I	0.4	ND		0.010	NA		-	NA		-
4,4'-DDE	0.1	ND		0.010	NA		-	NA		-
Dieldrin	0.03	ND		0.010	NA		-	NA		-
Endrin	2	ND		0.010	NA		-	NA		-
Endosulfan II	0.4	ND		0.010	NA		-	NA		-
4,4'-DDD	0.1	ND		0.010	NA		-	NA		-
Endrin aldehyde	NS	ND		0.010	NA		-	NA		-
Endosulfan sulfate	0.4	ND		0.010	NA		-	NA		-
4,4'-DDT	0.1	ND		0.010	NA		-	NA		-
Endrin ketone	NS	ND		0.010	NA		-	NA		-
Methoxychlor	40	ND		0.010	NA		-	NA		-
alpha-Chlordane	0.5	ND		0.010	NA		-	NA		-
gamma-Chlordane	NS	ND		0.010	NA		-	NA		-
Toxaphene	3	ND		0.075	NA		-	NA		-

TABLE 4

SUMMARY OF LABORATORY RESULTS FOR GROUND-WATER SAMPLES

Three Y, LLC Properties
163 Old River Road, Edgewater, NJ

Client ID:	NJDEP Ground Water Quality Standards	3Y-MW1						3Y-MW2		
Lab ID:		02623-001			08876-001			08875-002		
Date Sampled:		03/21/2005			08/24/2005			08/24/2005		
Metals (µg/L)										
Aluminum	**200**	**280**		40.0	NA		-	NA		-
Antimony	**20**	ND		4.00	NA		-	NA		-
Arsenic	3 ~~8~~	5.86		4.00	NA		-	NA		-
Barium	**2000**	ND		40.0	NA		-	NA		-
Beryllium	**20**	ND		2.00	NA		-	NA		-
Cadmium	**4**	1.44		1.00	NA		-	NA		-
Calcium	**NS**	195000		200	NA		-	NA		-
Chromium	**100**	ND		8.00	NA		-	NA		-
Cobalt	**100**	ND		8.00	NA		-	NA		-
Copper	**1000**	ND		8.00	NA		-	NA		-
Iron	**300**	**4080**		100	NA		-	NA		-
Lead	**10**	ND		2.00	NA		-	NA		-
Magnesium	**NS**	47100		200	NA		-	NA		-
Manganese	**50**	**6580**		4.00	NA		-	NA		-
Mercury	**2**	ND		0.500	NA		-	NA		-
Nickel	**100**	ND		4.00	NA		-	NA		-
Potassium	**NS**	15400		200	NA		-	NA		-
Selenium	**50**	ND		8.00	NA		-	NA		-
Silver	**30**	ND		2.00	NA		-	NA		-
Sodium	**50000**	**166000**		400	NA		-	NA		-
Thallium	**10**	ND		0.400	NA		-	NA		-
Vanadium	**NS**	ND		8.00	NA		-	NA		-
Zinc	**5000**	41.1		8.00	NA		-	NA		-

Values in **BOLD** exceed GWQS

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the MDL

NA = Not analyzed

NS = No standard

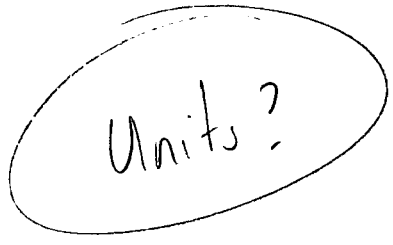


TABLE 5

COMPARISON OF TYPICAL HISTORIC FILL IN NEW JERSEY WITH FILL MATERIAL AT 163 OLD RIVER ROAD

Three Y, LLC Properties
163 Old River Road, Edgewater, NJ

Compound	New Jersey, Statewide[1]			163 Old River Road
	Minimum	Maximum	Avg	Maximum
Benzo(a)anthracene	0.03	160	1.37	121
Benzo(a)pyrene	0.02	120	1.89	116
Benzo(b)fluorene	0.02	110	1.91	106
benzo(k)fluoranthene	0.02	93	1.79	80.1
Indeno(1,2,3-cd)pyrene,	0.02	67	1.41	48.8
Dibenzo(a,h)anthracene	0.01	25	1.24	33.6
Arsenic	0.05	1098	13.2	34.5
Beryllium	0.01	79.7	1.23	3.45
Lead	0.28	10700	574	514

[1] Source: "Technical Requirements for Site Remediation", NJAC 7:26E, Appendix D

All concentrations in parts per million

TABLE 6

COMPARISON OF BENZO[A]PYRENE AND BENZENE MIGRATION RATES IN GROUND WATER

Three Y, LLC Properties
163 Old River Road, Edgewater, NJ

SEEPAGE VELOCITY

Seepage Velocity **(Vs) = Ki/n**

Hydraulic Conductivity **K**:	1	**ft/day**	(est.)
Hydraulic Gradient **i**:	0.0100	**ft/ft**	(assumed)
Effective Porosity **n**:	0.20		(assumed)

Seepage Velocity	**Vs =**	**18.3**	**ft/year**

CONTAMINANT MIGRATION RATE

Distribution Coefficient (K_d) = (Koc) (foc)

where: K_{oc} = Soil-water partition coefficient (compound specific)

f_{oc} = Fraction of naturally occuring organic carbon in aquifer (typically ranges from 0.001 to 0.004 in NJ)

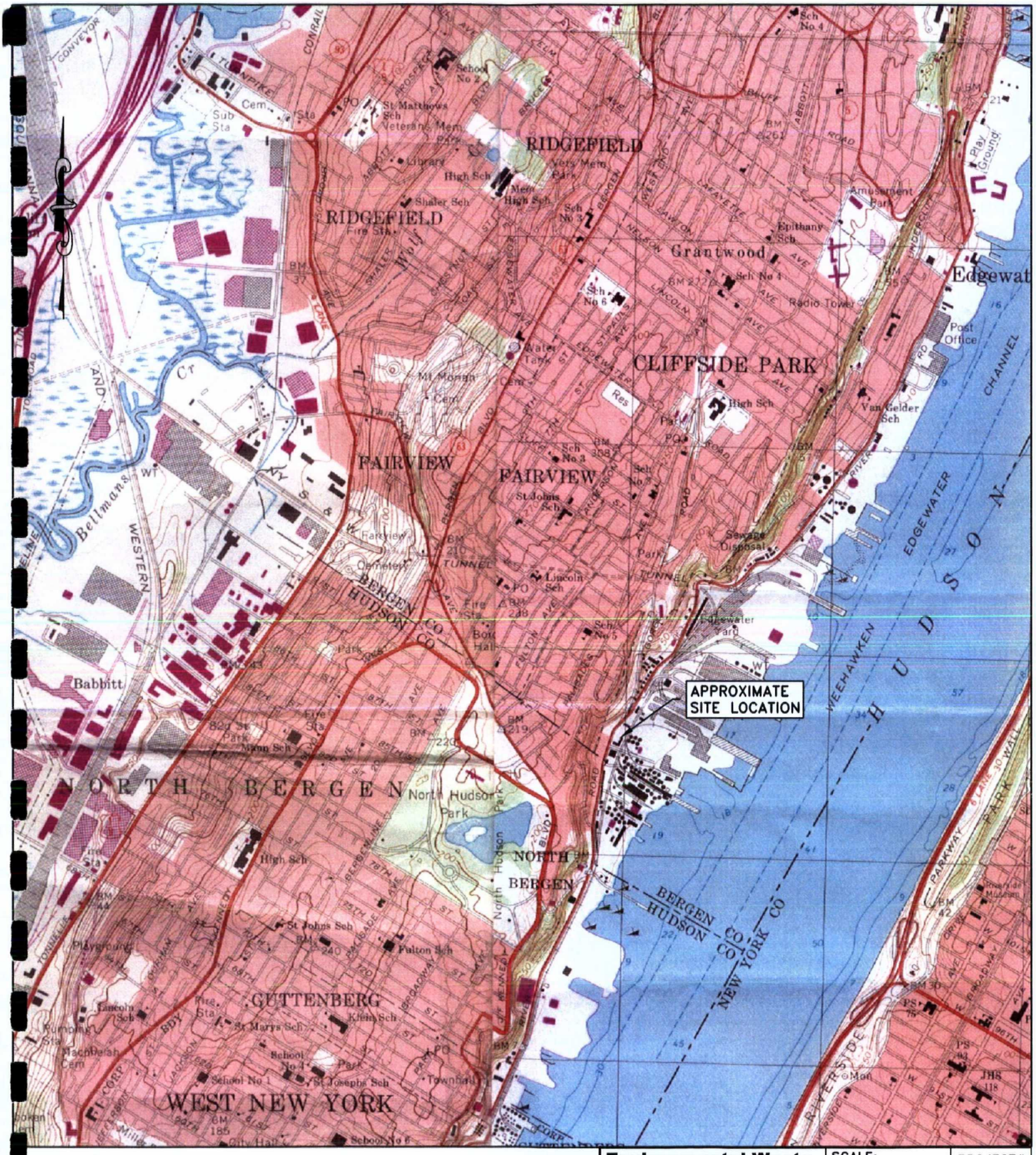
Retardation Factor (R_d) = **$1+ (K_d) (\rho_b) / n$**

where: ρ_b = soil bulk density (in g/cc)

Compound	K_{oc}	f_{oc}	K_d	ρ_b	n	R_d
benzo[a]pyrene	398107	0.001	398.107	1.8	0.20	3584.0
benzene	83	0.001	0.083	1.8	0.20	1.7

Contaminant Migration Rate **(V_c) = Vs / R_d**

Contaminant Migration Rate	**Vc =**	**benzo[a]pyrene**		**benzene**	
		0.005	**ft/year**	**10.4**	**ft/year**



NEW JERSEY QUADRANGLE LOCATION

GRAPHIC SCALE

0 0.5 1 MILE

(IN MILES)

SOURCE: USGS WEEHAWKEN & CENTERAL PARK, N.J. 7.5 MINUTE QUADRANGLE

Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: 1" = 2,000'	PROJECT# 204711
DATE: 1/10/06	
DRAWN BY: JM	
CHECKED BY: CV	
FILE: k:\drawings\204000\204711\204711F1.dwg	

SITE LOCATION
THREE Y, LLC PROPERTIES
BLOCK 93, LOTS 1 & 2
EDGEWATER, NEW JERSEY

FIGURE# 1

IGW
3ppm for ammonia

ID	NORTHING	EASTING
MW-101A	719,023	632,766
MW-101D	719,021	632,770
MW-111A	719,206	632,602
MW-111B	719,210	632,605
3Y-MW1	719,043	632,729
3Y-MW2	719,170	632,743
3Y-1	719,118	632,745
3Y-2	719,054	632,732
3Y-3	718,988	632,689
3Y-4	719,301	632,835
3Y-6	719,110	632,758
3Y-7	719,104	632,737
3Y-8	719,131	632,763
3Y-9	719,175	632,732
3Y-10	718,973	632,711
3Y-11	718,996	632,677
3Y-12	719,002	632,697
3Y-13	718,973	632,602
3Y-14	719,251	632,886
3Y-15	719,213	632,867
3Y-16	719,242	632,648
3Y-17	719,239	632,884
3Y-18	719,249	632,664
3Y-5	719,052	632,554
3Y-19	718,949	632,665
3Y-20	718,957	632,647
3Y-21	719,019	632,708
3Y-22	719,077	632,723
3Y-23	719,075	632,678
3Y-24	719,118	632,707
3Y-25	718,998	632,663
3Y-26	718,967	632,663
3Y-27	719,085	632,655

ID	DEPTH	CONTAMINANT	RESULTS
3Y-24	6.5'-7'	VOCs	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-16	5'-5.5'	VOCs	ND
		AMMONIA	0.416

ID	DEPTH	CONTAMINANT	RESULTS
3Y-4A	2'-2.5'	VOCs	NE
3Y-4B	6.5'-7'	VOCs	ND
3Y-4C	14'-14.5'	VOCs	ND
3Y-4D	44'-44.5'	VOCs	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-18	5'-5.5'	VOCs	ND
		AMMONIA	0.536

ID	DEPTH	CONTAMINANT	RESULTS
3Y-14A	0'-0.5'	AMMONIA	ND
3Y-14B	4'-4.5'	VOCs	NE
		AMMONIA	ND
3Y-14C	17'-17.5'	VOCs	ND
		AMMONIA	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-5A	4'-4.5'	VOCs	ND
3Y-5B	6'-6.5'	VOCs	NE
3Y-5C	18'-18.5'	VOCs	ND
3Y-5D	38'-38.5'	VOCs	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-27	6'-6.5'	VOCs	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-23	6'-6.5'	VOCs	NE

ID	DEPTH	CONTAMINANT	RESULTS
3Y-25	2'-2.5'	BENZENE	31.3

ID	DEPTH	CONTAMINANT	RESULTS
3Y-11	2'-2.5'	BENZENE	35.4
		AMMONIA	0.411

ID	DEPTH	CONTAMINANT	RESULTS
3Y-20	5'-5.5'	BENZENE	1.06

ID	DEPTH	CONTAMINANT	RESULTS
3Y-19	6'-6.5'	BENZENE	0.663

ID	DEPTH	CONTAMINANT	RESULTS
3Y-13	2'-2.5'	BENZENE	5.71
		AMMONIA	0.568

ID	DEPTH	CONTAMINANT	RESULTS
3Y-3A	4'-4.5'	BENZENE	1.11
3Y-3B	6'-6.5'	VOCs	NE
3Y-3C	17'-17.5'	VOCs	ND
3Y-3D	34'-34.5'	VOCs	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-10	2'-2.5'	VOCs	ND
		AMMONIA	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-17	5'-5.5'	VOCs	ND
		AMMONIA	0.336

ID	DEPTH	CONTAMINANT	RESULTS
3Y-15	5'-5.5'	VOCs	ND
		AMMONIA	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-9	6.5'-7'	VOCs	NE
		AMMONIA	0.997

ID	DEPTH	CONTAMINANT	RESULTS
3Y-8	6.5'-7'	VOCs	NE
		AMMONIA	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-1A	2'-2.5'	VOCs	ND
3Y-1B	6.5'-7'	BENZENE	1.55
3Y-1C	22.5'-23'	VOCs	ND
3Y-1D	56.5'-57'	VOCs	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-7	6.5'-7'	BENZENE	5.81
		AMMONIA	0.984

ID	DEPTH	CONTAMINANT	RESULTS
3Y-6	6.5'-7'	VOCs	NE
		AMMONIA	1.5

ID	DEPTH	CONTAMINANT	RESULTS
3Y-22	5'-5.5'	BENZENE	0.592

ID	DEPTH	CONTAMINANT	RESULTS
3Y-2A	2'-2.5'	VOCs	ND
3Y-2B	6'-6.5'	VOCs	ND
3Y-2C	20'-20.5'	VOCs	ND
3Y-2D	47.5'-48'	VOCs	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-12	2'-2.5'	BENZENE	21.0
		AMMONIA	ND

ID	DEPTH	CONTAMINANT	RESULTS
3Y-21	6'-6.5'	VOCs	NE

OLD RIVER ROAD

RIVER ROAD

GRACE ROAD

CURB

FENCE POST

CHAINLINK FENCE

TELEPHONE POLE

2 STORY STUCCO RESTAURANT

4 STORY BRICK FACTORY

BLOCK FOUNDATION

MACADAM AND GRAVEL

MACADAM AND GRAVEL

BLOCK 93 LOT 1

BLOCK 93 LOT 2

BLOCK 93 LOT 3

RAISED CONCRETE PLATFORM

PROPERTY BOUNDARY

OVERHEAD R.R. TIE ELECTRIC SUPPLY STRUCTURE

MW-111A ⊕ ⊕MW-111B

MW-101A ⊕ ⊕MW-101D

FORMER LOCATION OF 10,000 GALLON AMMONIA UST (BASED ON 1973 FIRE INSURANCE SITE MAP)

AREA OF FORMER AMMONIA CYLINDER ROLLERS (BASED ON 1973 FIRE INSURANCE SITE MAP)

N E 632,408
N 718,960

N E 632,656
N 719,379

N E 632,655
N 718,815

N E 632,902
N 719,234

LEGEND

- ⊕ MONITORING WELL LOCATION (INSTALLED BY EWMA)
- ⊕ MONITORING WELL LOCATION (INSTALLED BY CH2MHILL)
- ● EXISTING SOIL BORING LOCATION
- ND NOT DETECTED
- NE NO EXCEEDANCES

NOTES: ALL CONCENTRATIONS IN BOLD EXCEED THE NJDEP SOIL CLEANUP CRITERIA. ALL RESULTS IN PARTS PER MILLION (PPM)

SOURCE: "SITE PLAN", O'BIEN & GERE ENGINEERS, INC. 9/13/04

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)

NOTE: GRID IS N.J.S.P.C.S. 1983

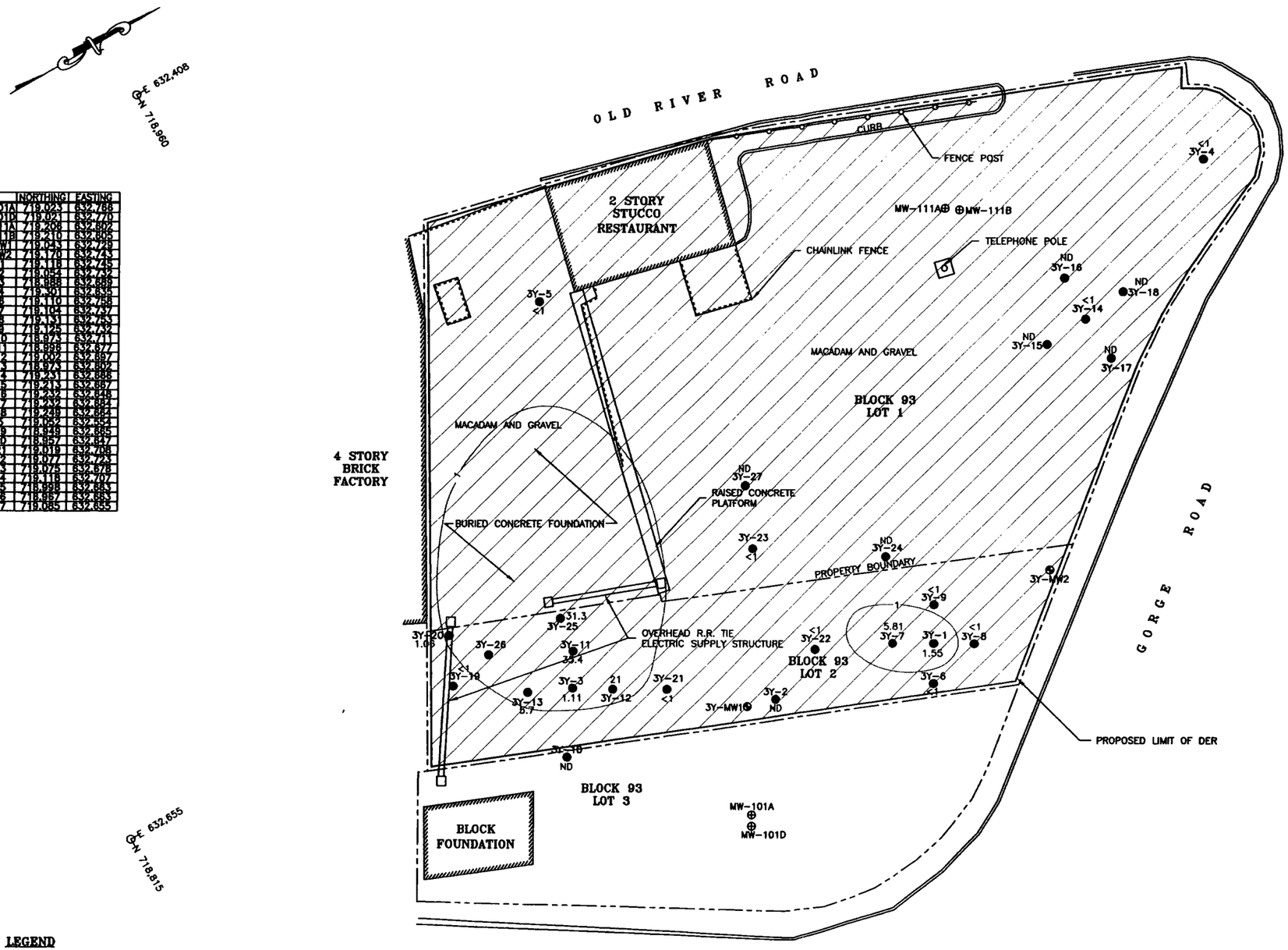
Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN
DATE: 4/13/05
PROJECT# 203711
DRAWN BY: RR
CHECKED BY: CV

SUMMARY OF LABORATORY ANALYSIS OF SOIL SAMPLES FOR VOCs AND AMMONIA
THREE Y, LLC PROPERTIES
BLOCK 93, LOTS 1 & 2
EDGEWATER, NEW JERSEY

FIGURE# 3

ID	NORTHING	EASTING
MW-101A	719,023	632,786
MW-101D	719,021	632,770
MW-111A	719,208	632,802
MW-111B	719,210	632,805
3Y-MW1	719,043	632,749
3Y-MW2	719,176	632,743
3Y-1	719,118	632,745
3Y-2	719,054	632,732
3Y-3	719,088	632,769
3Y-4	719,301	632,835
3Y-5	719,170	632,758
3Y-6	719,104	632,737
3Y-7	719,151	632,753
3Y-8	719,125	632,732
3Y-9	719,175	632,732
3Y-10	718,973	632,711
3Y-11	718,996	632,677
3Y-12	719,002	632,667
3Y-13	718,974	632,692
3Y-14	719,231	632,888
3Y-15	719,213	632,867
3Y-16	719,232	632,846
3Y-17	719,232	632,864
3Y-18	719,249	632,864
3Y-19	719,052	632,653
3Y-20	718,939	632,655
3Y-21	719,057	632,647
3Y-22	719,019	632,706
3Y-23	719,077	632,723
3Y-24	719,075	632,678
3Y-25	719,118	632,707
3Y-26	718,998	632,683
3Y-27	718,957	632,683
3Y-28	719,085	632,655



LEGEND

- ⊕ MONITORING WELL LOCATION (INSTALLED BY EWMA)
- ⊕ MONITORING WELL LOCATION (INSTALLED BY CH2M HILL)
- ● SOIL BORING LOCATION WITH MAXIMUM BENZENE CONCENTRATION IN PARTS PER MILLION (PPM)
- BENZENE CONCENTRATION CONTOUR
- ND NOT DETECTED

NOTE: IMPACT TO GROUND WATER SOIL CLEANUP CRITERIA FOR BENZENE = 1 PPM
SOURCE: "SITE PLAN", O'BIEN & GERE ENGINEERS, INC. 9/13/04

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)

NOTE: GRID IS N.J.S.P.C.S. 1983

Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN	PROJECT# 203711
DATE: 4/13/05	
DRAWN BY: RR	
CHECKED BY: CV	

PROPOSED LIMIT OF DER (DEED OF ENVIRONMENTAL RESTRICTION)
THREE Y, LLC PROPERTIES
BLOCK 93, LOTS 1 & 2
EDGEWATER, NEW JERSEY

FIGURE# 4

ID	NORTHING	EASTING
MW-101A	719,023	632,766
MW-101D	719,021	632,770
MW-111A	719,208	632,802
MW-111B	719,210	632,805
3Y-MW1	719,043	632,729
3Y-MW2	719,170	632,743
3Y-1	719,118	632,745
3Y-2	719,054	632,732
3Y-3	718,988	632,689
3Y-4	719,301	632,835
3Y-5	719,110	632,758
3Y-7	719,104	632,737
3Y-8	719,131	632,753
3Y-9	719,125	632,732
3Y-10	718,973	632,711
3Y-11	718,998	632,677
3Y-12	719,002	632,697
3Y-13	718,973	632,692
3Y-14	719,231	632,888
3Y-15	718,213	632,887
3Y-16	719,232	632,848
3Y-17	719,232	632,884
3Y-18	719,249	632,884
3Y-6	719,052	632,753
3Y-19	718,929	632,685
3Y-20	718,957	632,647
3Y-21	719,019	632,708
3Y-22	719,077	632,725
3Y-23	719,075	632,678
3Y-24	719,118	632,707
3Y-25	718,998	632,683
3Y-26	718,957	632,685
3Y-27	719,085	632,655

E 632,408
N 718,960

E 632,656
N 719,379

OLD RIVER ROAD

CURB

FENCE POST

2 STORY STUCCO RESTAURANT

MW-111A & MW-111B

CHAINLINK FENCE

TELEPHONE POLE

MACADAM AND GRAVEL

BLOCK 93
LOT 1

MACADAM AND GRAVEL

4 STORY BRICK FACTORY

RAISED CONCRETE PLATFORM

PROPERTY BOUNDARY

ND
3Y-MW2

OVERHEAD R.R. TIE
ELECTRIC SUPPLY STRUCTURE

BLOCK 93
LOT 2

1.31
3Y-MW1

LIMIT OF PROPOSED CEA

No wells in the rich Benzene soil area.

BLOCK 93
LOT 3

ND
MW-101A

MW-101D

BLOCK FOUNDATION

E 632,655
N 718,815

E 632,902
N 719,234

GORGE ROAD

RIVER ROAD

LEGEND

3Y-MW1 / 1.31 — MONITORING WELL LOCATION (INSTALLED BY EWMA) WITH BENZENE CONCENTRATION IN GROUND WATER IN PARTS PER MILLION (PPM) – 8/24/05

⊕ — MONITORING WELL LOCATION (INSTALLED BY CH2M HILL) WITH BENZENE IN GROUND WATER CONCENTRATION IN PPM – 11/17/05

ND — NOT DETECTED

SOURCE: "SITE PLAN", O'BIEN & GERE ENGINEERS, INC. 9/13/04

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)

NOTE: GRID IS N.J.S.P.C.S. 1983

Environmental Waste Management Associates, LLC
P.O. Box 5430
Parsippany, NJ 07054
Tel: (973) 560-1400

SCALE: AS SHOWN
DATE: 4/13/05
DRAWN BY: RR
CHECKED BY: CV
PROJECT# 203711

PROPOSED CLASSIFICATION EXEMPTION AREA
THREE Y, LLC PROPERTIES
BLOCK 93, LOTS 1 & 2
EDGEWATER, NEW JERSEY

FIGURE# 5

Cheiron Resources Ltd is an Alberta Canada based company that develops and manufactures high quality, easy to use, cost effective tests for the "instant" detection of petroleum hydrocarbons and chlorinated solvents in soil.

OIL screen SOIL

The OilScreenSoil™ tests are field presence / absence indicators of non-volatile, liquid petroleum hydrocarbons and chlorinated solvents.

The kits:

- Produce "instant" results (within two minutes)
- Detect oil as low as 500 ppm of TPH (total petroleum hydrocarbon) in soil
- Screen for DNAPLs (dense non-aqueous phase layer), and LNAPLs (light non-aqueous phase layer)
- Can be used with salt-water, or on frozen material with the addition of hot water
- Require no additional instrumentation or specialized training
- Are non-hazardous to human health and the environment

Cheiron Resources Ltd.
#280, 5920 – 1A St SW
Calgary, AB,
Canada T2H 0G3
Tel: 1 (403) 241-3276
Fax: 1 (403) 241-3278
info@cheiron-resources.com
www.cheiron-resources.com

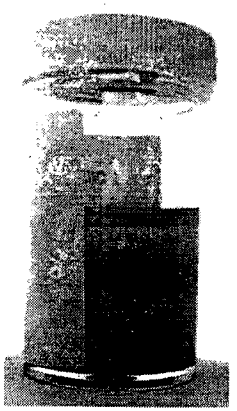
OIL screen SOIL

Success Through Commitment and Excellence

Cost effective, "instant" and disposable field tests for screening of petroleum hydrocarbons and chlorinated solvents in soil

Cheiron Resources Ltd

OIL screen SOIL



OILSCREENSOIL (SUDAN IV)™ is shown above

OilScreenSoil™ kits were developed as fast, reliable, easy to use and inexpensive field monitoring tools.

OilScreenSoil™ kits are "non-precision" qualitative tests that screen for petroleum hydrocarbons (aliphatic and aromatic) and chlorinated solvents (TCE, TCA & PCE) in soil, sand, or gravel.

OilScreenSoil™ kits are **NOT** suitable for detection of gases (compounds with 4 carbons or less), or for use with heavy crude oils (Bunker C), or solid bituminous materials like asphalt or waxes.

OilScreenSoil™ test kits can typically be used within a wide range of petroleum hydrocarbon products including:

- Automotive gasoline **(C5-C12)**
- Jet Fuels **(C5-C16)**
- Fuel Oils #1 & 2 **(C9-C20)**
- Mineral Oils **(C15-C29)**
- Chlorinated Solvents **(C7–C12)** including: TCE, TCA and PCE (e.g. Stoddard Solvent/Dry Cleaning Solvent)

Petroleum products are complex mixtures of multiple hydrocarbon compounds and their composition varies depending upon the source of crude oil and refining practices used. Please contact the manufacturer for detailed information on potential applications.

OilScreenSoil™ kits can be used to:

- Quickly and easily determine spill boundaries and depths and to identify spill directions in soil
- Detect chlorinated hydrocarbon compounds (Dense Non Aqueous Phase Layer DNAPL) in drill/core samples
- Detect direction and depths of spills from leaking underground and aboveground storage tanks
- Test excavation floor and walls for petroleum hydrocarbons

QUICK AND EASY TO USE – SIMPLY: Add soil, add water - shake!

OilScreenSoil™ tests release specially formulated dyes that stain petroleum products.

The presence of an expandable polystyrene (EPS) bead allows users to rapidly identify the presence of free liquid petroleum products as **low as 500ppm Total Petroleum Hydrocarbons**.

Use OilScreenSoil™ Kits for:

- ✓ Instant delineation of spill depth and direction during spill response
- ✓ Cost effective, immediate qualitative field screening/sampling tests for Phase II site assessments and excavations
- ✓ Ease of use that requires no special training or instruments
- ✓ Working with a safe test that contains a "Deminimus" (<0.01%) Concentration of test chemicals

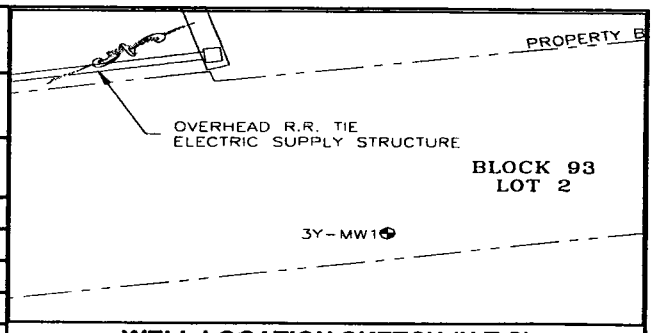
Other OilScreenSoil Screening Kits include:

- ***OILSCREENSOIL (INDIGO BLUE)™***
  For use with red soils/clays
- ***OILSCREENSOIL (FLUORESCENT)™***
  For use with black oils
- ***OILSCREENSOIL (SCARLET)™***
  A non- mutagenic red dye

APPENDIX 2

Environmental Waste Management Associates, LLC
PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax:(973) 560-0400

EWMA Job #:	203711
Well #:	3Y-MW1
Start Date:	03/03/05

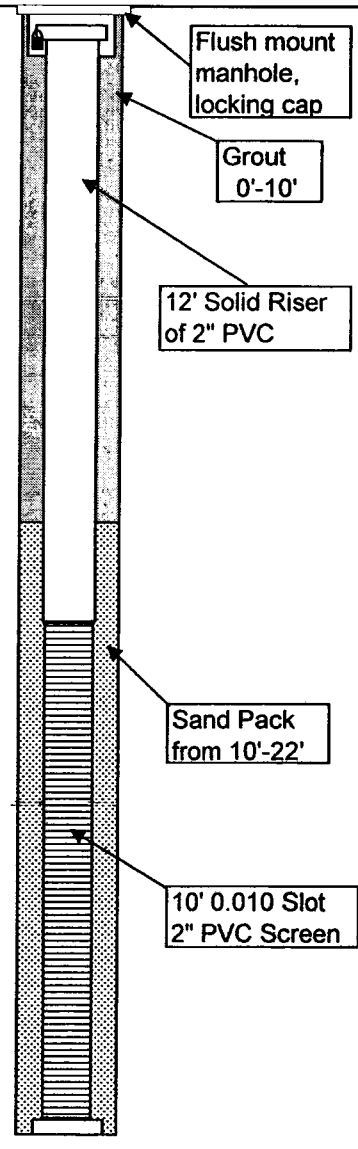


WELL LOCATION SKETCH (N.T.S)

Site: Three Y, LLC		**Well Permit #:**	
		Completion Date:	03/03/05
Geologist: Chris Viani		**Drilling Co.:**	Summit Drilling
Driller/Helper:		**Drill Rig:**	Hollow-Stem Auger
Drilling Method:	Hollow-Stem Auger	**Type of Bit:**	
Sampler Type:	Split spoon	**Solid Riser:**	0' -12'
G.W. Encountered:	**G.W. Stabilized:**	**Well Depth:**	22'
Screen Interval/Screen Type:	12' -22', 10-slot PVC		
Depth to Rim:	**Borehole Diameter:**	8"	**Well Diameter:** 2"
Grout:	0' - 10'	**Sand Pack/Open Borehole:**	10' - 22'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OVA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
1-24						(Description from Boring 3Y-2) SILT, dark brown to black; tace sand and gravel (incl. coal frags Very moist to wet.
						Aspahlt(4")/rusty red sand and gravel (2").
						SAND, fine to medium, well sorted. Brownish gray to reddish brown to grayish brown. Trace grave. Wet and "runny".
						SILT, light brown; little clay; trace fine sand. Occ. fine sand laminae. Moist
						Set well at 22 ft bg.

WELL CONSTRUCTION DIAGRAM (N.T.S)



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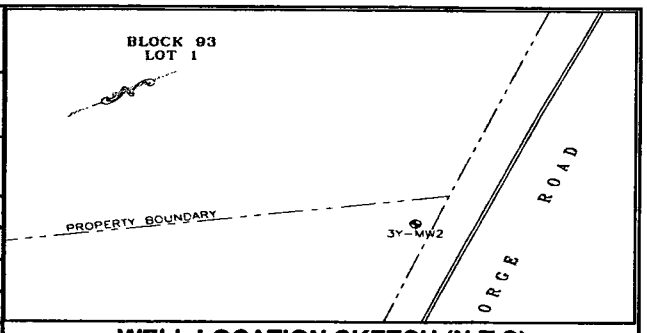
Phone: (973) 560-1400 Fax:(973) 560-0400

EWMA Job #:	203711
Well #:	3Y-MW-2
Start Date:	08/05/05

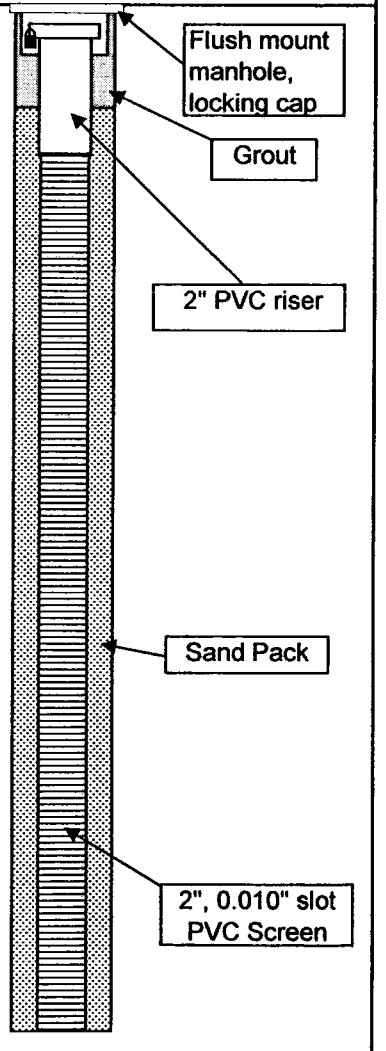


WELL LOCATION SKETCH (N.T.S)

Site: Three Y, LLC	**Well Permit #:**		
	Completion Date: 08/05/05		
Geologist: Chris Viani	**Drilling Co.:** Summit Drilling		
Driller/Helper:	**Drill Rig:** Hollow-Stem Auger		
Drilling Method: Hollow-Stem Auger	**Type of Bit:**		
Sampler Type: Split spoon		**Solid Riser:** 0' -3'	
G.W. Encountered:	**G.W. Stabilized:**	**Well Depth:** 20'	**Screen Interval/Screen Type:** 3'-20', 10-slot PVC
Depth to Rim:	**Borehole Diameter:** 8"	**Well Diameter:** 2"	**Grout:** 0' - 2' **Sand Pack/Open Borehole:** 2' - 20'

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OVA (METER UNITS)	BLOWS/6.0	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
1		0		1.5'		SILT, brown to dark brown; some angular gravel; some angular sand. Abundant coal fragments.
2						
3						
4						
5						
6				1.5'		
7						
8						
9						SAND, fine (+) to medium (-), light brown; little silt. Wet. Slight heave into augers.
10						
11				1'		
12						
13						
14						
15						
16				1'		
17						
18						
19						
20						SILT, light brown; trace sand. Faint lamination.
21				1'		
22						
23						End of boring.
24						

WELL CONSTRUCTION DIAGRAM (N.T.S)



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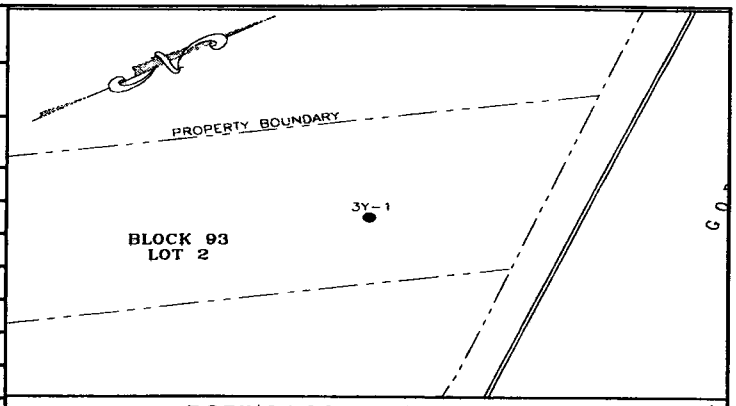
Phone: (973) 560-1400 Fax:(973) 560-0400

EWMA Job #:	203711
Boring #:	3Y-1
Install Date:	3/4/05

Site Name:	Three Y-LLC		
Site Location:	163 River Rd, Edgewater, NJ		
Completion Date:	3/4/05		
Geologist:	Chris Viani	**Drilling Co.:**	Summit
Driller:	Summit Drilling	**Drill Rig:**	Auger rig
Bit:	**Hammer Wt:**	**Drop:**	**Total Depth:** 57'
Sampler Type:	Split-Spoon	**G.W. Encountered:**	8'
		G.W. Stabilized:	



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
26							26
27		0		18			27
28							28
29		0		18			29
30							30
31		0		12		Silt with little clay, to clay with little silt (clay fraction increases with depth). Color varies from reddish brown to pinkish gray to gray. Occ. fine sand laminae. Moist, stiff. Clay-rich fractions are sticky and plastic.	31
32							32
33		0		12		No staining, sheens, or odors.	33
34							34
35		0		18			35
36							36
37		0		12			37
38							38
39		0		12			39
40							40
41		0		12			41
42							42
43		0		18			43
44							44
45		0		12			45
46							46
47		0		18			47
48							48
49		0		12			49

Environmental Waste Management Associates, LLC

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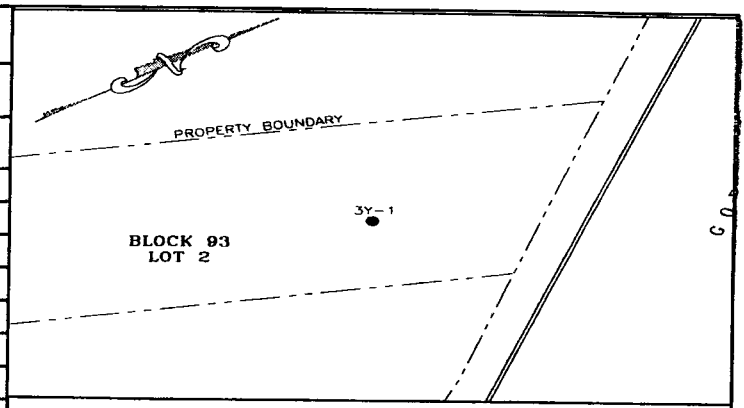
EWMA Job #:	203711
Boring #:	3Y-1
Install Date:	3/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 3/4/05
Geologist: Chris Viani | **Drilling Co.:** Summit
Driller: Summit Drilling | **Drill Rig:** Auger rig
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 57'
Sampler Type: Split-Spoon | **G.W. Encountered:** 8'
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
0	3Y-1A	0		12		Silt and sand, dark brown to dark gray; trace gravel (incl. brick fragments). Moist. No staining, sheen, or odors. FILL.	0
3	3Y-1A	0		18		OIS test (3') = Negative.	3
5		0		18		SAND, black; some silt; little gravel. Mostly composed of coal fragments. Possible slight sheen. FILL. OIS test (5') = negative.	5
6		0		12		Fabric layer at 6.25' - 6.5'.	6
7	3Y-1B					Medium to coarse angular sand and angular fine gravel, with abundant cinders, dark gray to black. Moist. FILL. OIS test test (6.5') = Negative. 6.5 - 7.5	7
9		0		18			9
11		0		18			11
13		0		18			13
15		0		18		SAND, fine to medium, brown, well sorted; trace silt. Wet. No staining or sheen.	15
17		0		18			17
19	3Y-1R	0		18			19
21		0		18			21
23	3Y-1C	0		18			23
24		0		18		Silt with little clay, to clay with some silt (clay fraction increases with depth). Color varies from reddish brown to pinkish gray to gray. Occ. fine sand laminae. Moist, stiff.	24

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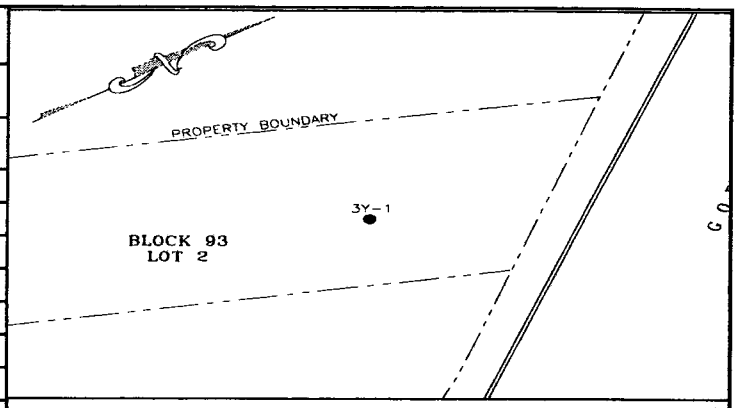
EWMA Job #: 203711
Boring #: 3Y-1
Install Date: 3/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 3/4/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 57'
Sampler Type: Split-Spoon
G.W. Encountered: 8'
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
51		0		12		CLAY with little silt (clay fraction increases with depth). Color varies from reddish brown to pinkish gray to gray. Occ. fine sand laminae. Moist, stiff. Clay-rich fractions are sticky and plastic.	51
52							52
53		0		12		No staining, sheens, or odors.	53
54							54
55		0		12		SAND, medium, reddish brown; little coarse sand; trace fine gravel. Wet.	55
56							56
57	3Y-1D	0		12		End of boring at 57' (split-spoon refusal/bedrock).	57
58							58
59							59
60							60
61							61
62							62
63							63
64							64
65							65
66							66
67							67
68							68
69							69
70							70
71							71
72							72
73							73
74							74

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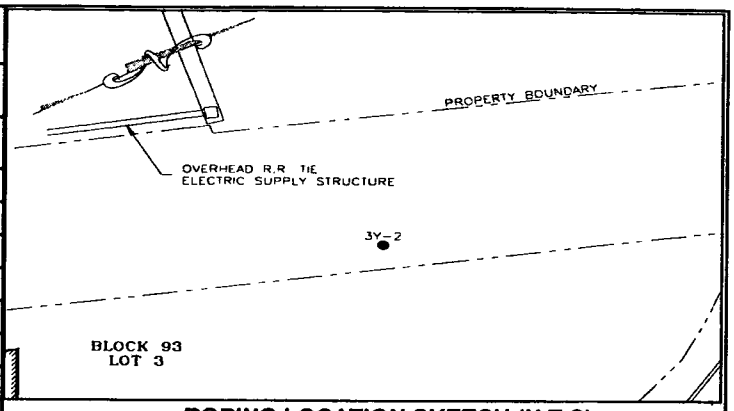
EWMA Job #: 203711
Boring #: 3Y-2
Install Date: 3/2/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 3/3/05
Geologist: Chris Viani | **Drilling Co.:** Summit
Driller: Summit Drilling | **Drill Rig:** Auger rig
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 48'
Sampler Type: Split-Spoon | **G.W. Encountered:** 6'
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
0	3Y-2A	0		12		SILT, dark brown to black; trace sand and gravel (incl. concrete fragments). Very moist to wet.	0
2	3Y-2A 3Y-2E	0		12		Black "shiny" staining at 2'-3', but no sheen or odors. OIS test = Negative.	2
4		0		6		Asphalt layer and asphalt fragments (4")/rusty red sand and gravel (2"). Moist.	4
6	3Y-2B	0		12		OIS test (6.5') = Negative.	6
8		0		12		SAND, fine to medium, well sorted. Color varies from brownish gray to grayish brown to reddish brown. Trace gravel. Wet and "runny". No staining, odors, or sheens.	8
10		0		12			10
12		0		12			12
14		0		18			14
16		0		18			16
18		0		18			18
20	3Y-2C	0		12		OIS test (19') = Negative.	20
22		0		18		SILT, light brown; little clay; trace fine sand. Occ. fine sand laminae. Moist. No staining, sheens, or odors.	22
24		0		6			24

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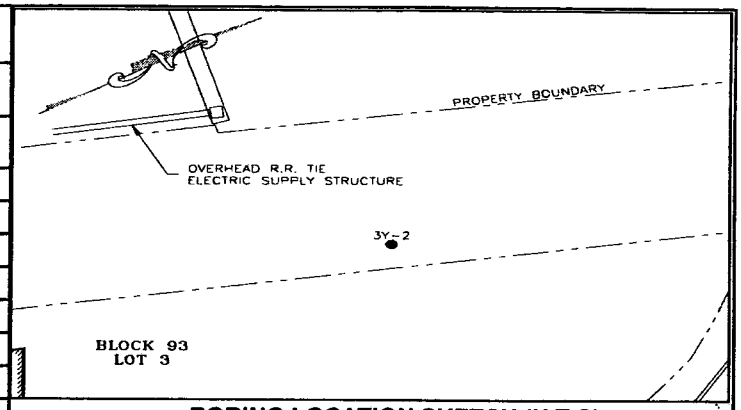
EWMA Job #: 203711
Boring #: 3Y-2
Install Date: 3/2/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 3/3/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 48'
Sampler Type: Split-Spoon
G.W. Encountered: 6'
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
26							26
		0		6		SILT, light brown; little clay; trace fine sand. Occ. fine sand laminae. Moist. No staining, sheens, or odors.	
27							27
28							28
		0		6			
29							29
30							30
		0		12		Silt with some clay, to clay with some silt (clay fraction increases with depth); reddish brown to pale pinkish brown. Occ. fine sand laminae. Moist, stiff. No staining, sheens, or odors.	
31							31
32							32
		0		12		OIS test (32') = Negative.	
33							33
34							34
35		0		18			35
36							36
	3Y-2R						
37		0		18			37
38							38
		0		12			
39							39
40							40
41		0		18		Several layers (up to 0.5" thick) of medim to coarse sand are present between 40' and 44'. No staining in sand layers.	41
42							42
43		0		18		OIS test (43') = Negative.	43
44							44
				12			
45		0				SAND, medium, reddish brown; trace coarse sand and fine, subrounded gravel. Wet.	45
46							46
47				18			47
48	3Y-4D					OIS test (47') = Negative.	48
49						End of boring at 48' (split-spoon refusal/bedrock).	49

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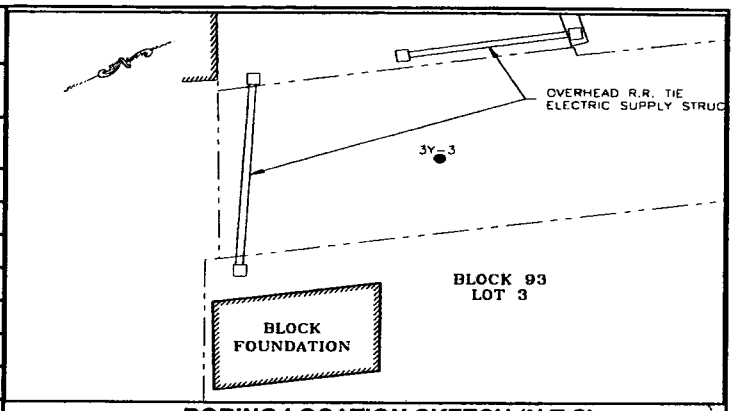
EWMA Job #:	203711
Boring #:	3Y-3
Install Date:	3/7/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 3/8/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 36'
Sampler Type: Split-Spoon
G.W. Encountered: 7'
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
0	3Y-3A	0		12		Silt and sand, light brown (2").	0
1						SILT, dark gray to black; some sand; trace gravel. Abundant coal fragments present. No staining or sheen. OIS test (1') = negative. FILL.	1
2							2
3	3Y-3A	0		18		Sand and fine gravel, gray, angular. Wet. No staining or sheen. OIS test (3') = negative. FILL. A 2"- thick layer of fabric-like material is present at 2.5 '.	3
4							4
5		0		18		SAND, dark gray; some silt. Abundant coal fragments.	5
						Asphalt-like material, with embedded pebbles (including coal). Creosote-like odor.	
6	3Y-3B						6
7		0		18		Coarse sand and gravel, gray, angular; includes some coal fragments. Very moist, to wet at about 7'. No staining or sheen. FILL.	7
8							8
9		0		24			9
10						SILT, brownish gray; little clay; very soft, with abundant root fragments. NATIVE, IN-PLACE SOIL.	10
11		0		24		SAND, fine to medium, gray, well-sorted, wet. No staining, sheens, or odors.	11
12							12
13		0		6			13
14							14
15		0		24			15
16							16
17		0		24			17
18	3Y-3C						18
19		0		6		SILT, reddish brown; little clay. No staining, sheens, or odors.	19
20							20
21		0		18		Silt and clay, reddish brown, stiff. No staining or sheen. Laminated, with occ. sand laminae, at 22' - 23.5'. OIS test (21') = negative.	21
22							22
23		0		18			23
24							24
		0		18		Sand, to sand and gravel. Reddish brown to "speckled" black and white. Wet. Sand ranges from fine to coarse. Gravel content increases, and becomes more angular, with depth. Gravel includes sandstone and basalt fragments.	

Environmental Waste Management Associates, LLC

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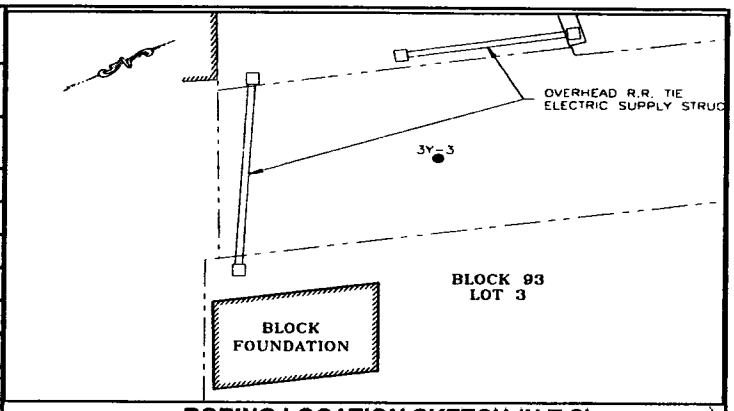
EWMA Job #:	203711
Boring #:	3Y-3
Install Date:	3/7/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 3/8/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 36'
Sampler Type: Split-Spoon
G.W. Encountered: 7'
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
26							26
27		0		18		OIS test (27') = negative.	27
28						Sand, to sand and gravel. Reddish brown to "speckled" black and white. Wet. Sand ranges from fine	28
29		0		12		to coarse. Gravel content increases, and becomes more angular, with depth. Gravel includes sandstone and basalt fragments. No staining, sheen, or odor.	29
30							30
31		0		12			31
32							32
33				0			33
34							34
35	3Y-3D	0		18		BASALT, highly fractured. No staining, sheen, or odor. OIS test = negative. WEATHERED BEDROCK.	35
36							36
37						End of boring at 36'. Final spoon penetrates to 36', but auger refusal at 35'.	37
38							38
39							39
40							40
41							41
42							42
43							43
44							44
45							45
46							46
47							47
48							48
49							49

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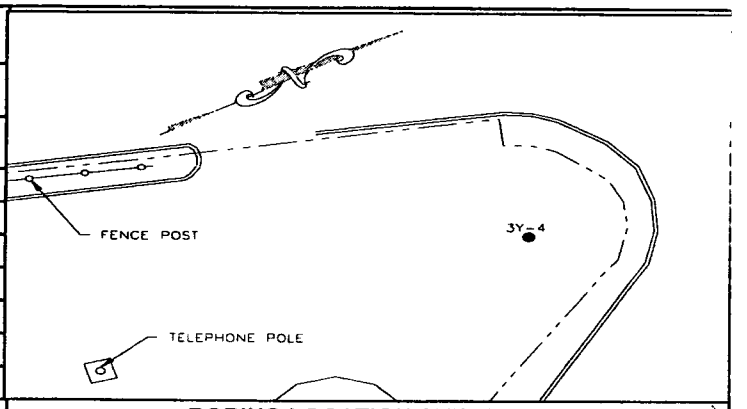
EWMA Job #: 203711
Boring #: 3Y-4
Install Date: 2/28/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date:
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 45.5'
Sampler Type: Split-Spoon
G.W. Encountered: 7'
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1	3Y-4A			6		SILT, dark gray to black; some angular gravel (diabase frags); little sand. Slight organic odor. No staining. Moist. FILL.	1
2							2
3	3Y-4A	0		6			3
4						SAND, coarse to medium, with cinders, speckled gray-light gray. Moist. OIS test = negative. FILL.	4
5		0		12			5
6						SAND, fine, brown; trace to little silt. No staining; no odors.	6
7	3Y-4B	0		18		Wet below about 7'.	7
8							8
9		0		24			9
10							10
11		0		12			11
12							12
13		0		12		Color becomes brown to reddish brown, with some thin (< 0.5") gray bands, at 12'.	13
14							14
15	3Y-4C	0		12			15
16						SILT, pale reddish brown; trace to little clay. Up to a trace of coarse sand and gravel in upper 3 '. Stiff. No staining or odors. Very moist to wet.	16
17		0		12			17
18							18
19		0		6			19
20							20
21		0		12		Silt exhibits thin (<0.5 ") gray bands, and a trace of fine sand below 20'.	21
22							22
23		0		12			23
24						SILT, light brown, with gray and reddish brown laminae; little clay. Very moist. No staining or odors.	24
		0		18		Silt and Clay, light pinkish brown; with gray and reddish brown laminae. Plastic and sticky.	

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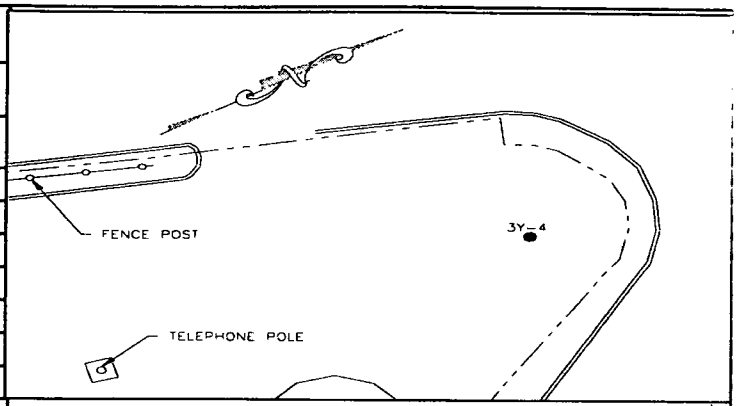
EWMA Job #: 203711
Boring #: 3Y-4
Install Date: 2/28/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date:
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 45.5'
Sampler Type: Split-Spoon
G.W. Encountered: 7'
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
26							26
27		0		18		Silt and Clay, to clay with some silt (becomes more clayey with depth); light pinkish brown. Occ. gray and reddish brown laminae, and occ. fine sand laminae. Very moist. Plastic and sticky.	27
28							28
29		0		18			29
30							30
31		0		12			31
32							32
33		0		18			33
34						Coarse sand and fine gravel, angular, reddish brown; little silt and fine to medium sand. Gravel incl. diabase pebbles. Wet.	34
35		0		18			35
36							36
37		0		18			37
38							38
39		0		12			39
40						SAND, medium, reddish brown; trace coarse sand and fine gravel. Wet. No staining or odors.	40
41		0		18			41
42							42
43		0		24			43
44							44
45	3Y-4D	0		18			45
						BASALT, highly fractured, with sand-filled fractures. No staining or odors. BEDROCK.	
46						Split-spoon and auger refusal (bedrock) at 45.5 ft.	46
47							47
48							48
49							49

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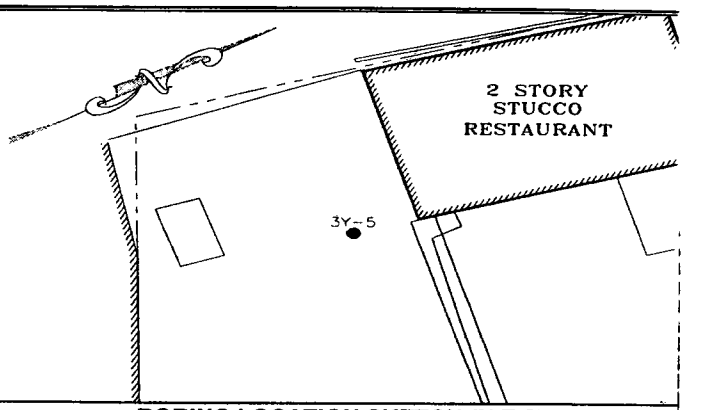
EWMA Job #:	203711
Boring #:	3Y-5
Install Date:	3/8/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 3/8/05
Geologist: Chris Viani — **Drilling Co.:** Summit
Driller: Summit Drilling — **Drill Rig:** Auger rig
Bit: — **Hammer Wt:** — **Drop:** — **Total Depth:** 39'
Sampler Type: Split-Spoon — **G.W. Encountered:** — **G.W. Stabilized:**



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1	3Y-5A	0		18		Silt, sand and angular gravel, brown. Wet. No staining or sheen. OIS test (1') = negative.	1
2				0		Sand and gravel, dark gray to black, angular. Trace to some silt. Abundant coal and cinder fragments. Wet. No staining or sheen.	2
3							3
4	3Y-5A	0		12		OIS test (4') = negative.	4
5							5
6	3Y-5B					SILT, light gray to white. Moist.	6
7		0		18		Gravel and silt, black. Wet. Abundant coal fragments.	7
8							8
9				0			9
10							10
11		0		12		Silt and clay, grayish brown to brown. Very soft, wet. Many fine root fragments. No staining or sheen.	11
12							12
13		0		24			13
14							14
15				0			15
16							16
17	3Y-5C	0		18		Silt and clay, brown to grayish brown. Stiff. Sparse root fragments. No staining or sheen. Noticeably tougher than overlying silt and clay.	17
18	3Y-5R						18
19		0		18		Large (>1") pieces of wood (possibly cedar) encountered between 18' and 22'.	19
20							20
21		0		12		OIS test (21') = negative.	21
22							22
23				Not Sampled			23
24							24

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EWMA Job #: 203711
Boring #: 3Y-5
Install Date: 3/8/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 3/8/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 39'
Sampler Type: Split-Spoon
G.W. Encountered:
G.W. Stabilized:

BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
26		0		12		Silt and clay, brown, stiff.	26
27							27
28				Not Sampled			28
29							29
30						SAND, fine to coarse, reddish brown; from a trace to up to 50% gravel. Wet. No staining or sheen.	30
31		0		18		OIS test (31') = negative.	31
32							32
33				Not Sampled			33
34							34
35							35
36		0		18		Cobble of weathered basalt at 35.5'.	36
37							37
38		0		18		OIS test (38') = negative.	38
39	3Y-5D						39
40						Auger refusal at 38.5'.	40
41							41
42							42
43							43
44							44
45							45
46							46
47							47
48							48
49							49

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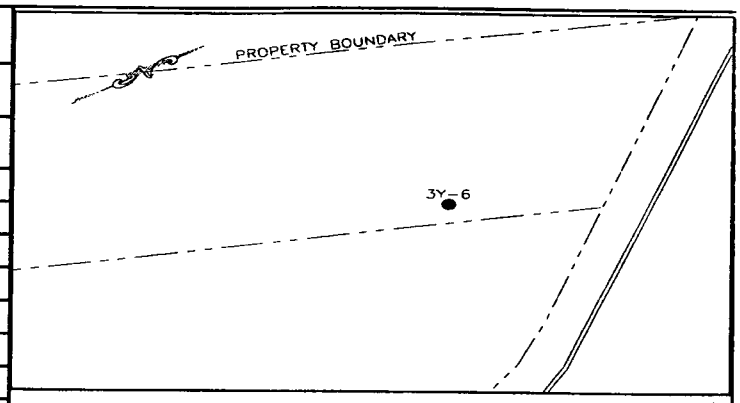
EWMA Job #:	203711
Boring #:	3Y-6
Install Date:	8/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05
Geologist: Chris Viani — **Drilling Co.:** Summit
Driller: Summit Drilling — **Drill Rig:** Auger rig
Bit: — **Hammer Wt:** — **Drop:** — **Total Depth:** 8'
Sampler Type: Split-Spoon — **G.W. Encountered:** — **G.W. Stabilized:**



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
0–5		0		6		SILT, gray to black; little sand; little gravel (incl. brick fragments). Dry.	0–5
5–7	3Y-6 (6.5-7)	14		12		Silt and coarse angular sand (mostly coal fragments). Wet, with slight sheen.	5–7
7–8						End of boring.	7–8

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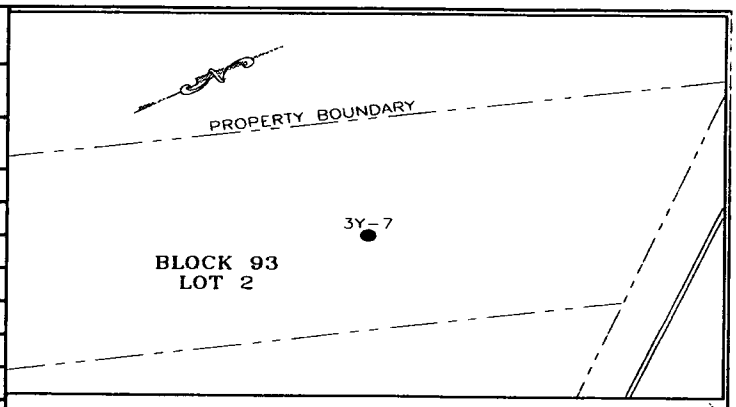
EWMA Job #:	203711
Boring #:	3Y-7
Install Date:	8/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05
Geologist: Chris Viani — **Drilling Co.:** Summit
Driller: Summit Drilling — **Drill Rig:** Auger rig
Bit: — **Hammer Wt:** — **Drop:** — **Total Depth:**
Sampler Type: Split-Spoon — **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
1–2						Silt, sand and angular gravel, buff to dark gray. Dry. Abundant cinders and coal fragments.
2–3		0		6		
3–4						Piece of geotextile at 7'.
5–6						
7–8	3Y-7 (6.5-7)	2		18		
8–24						End of boring.

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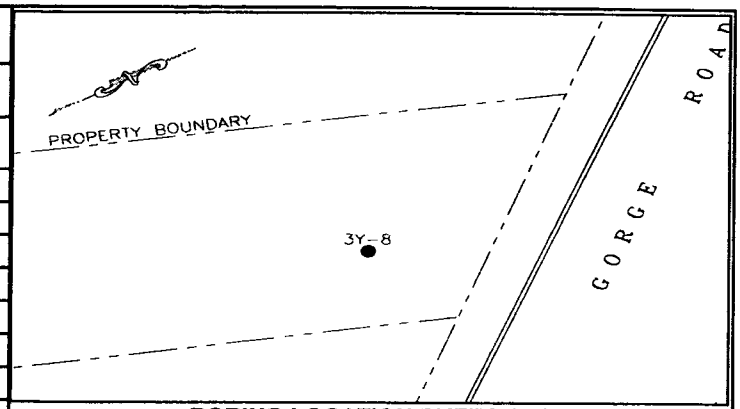
EWMA Job #: 203711
Boring #: 3Y-8
Install Date: 8/4/05



BORING LOCATION SKETCH (N.T.S)

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth:
Sampler Type: Split-Spoon
G.W. Encountered:
G.W. Stabilized:

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1–4		0		18"		SILT; little angular gravel; little sand; dark brown, with a few light gray and reddish brown bands.	1–4
5–6							5–6
7–8	3Y-8 (6.5-7)	7		18"		Angular sand and fine gravel, black. Mostly coal fragments. Wet.	7–8
9–24						End of boring.	9–24

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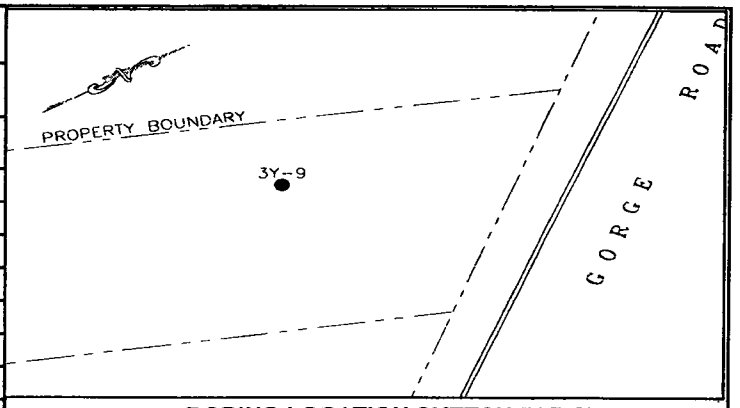
EWMA Job #:	203711
Boring #:	3Y-9
Install Date:	3/8/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05
Geologist: Chris Viani | **Drilling Co.:** Summit
Driller: Summit Drilling | **Drill Rig:** Auger rig
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:**
Sampler Type: Split-Spoon | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1						Silt, angular sand, and gravel. Gray to black.	1
2							2
3				2		Wood, with creosite odor.	3
4							4
5						Silt, angular sand, and gravel. Gray to black.	5
6							6
7			3Y-9 (6.5-7)	12			7
8							8
9						End of boring.	9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

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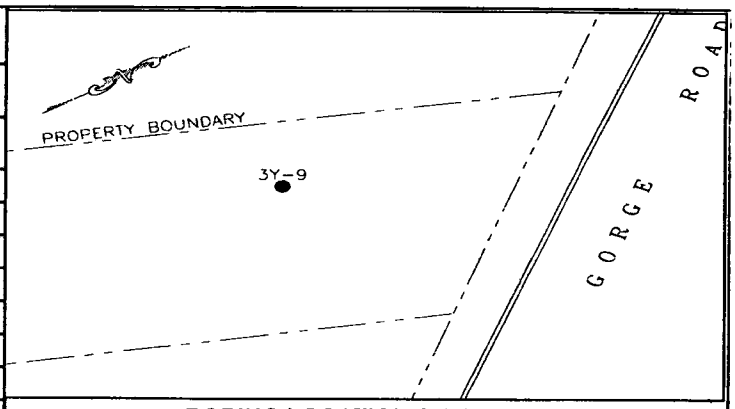
EWMA Job #:	203711
Boring #:	3Y-9
Install Date:	3/8/05



BORING LOCATION SKETCH (N.T.S)

Site Name:	Three Y-LLC		
Site Location:	163 River Rd, Edgewater, NJ		
Completion Date:	8/4/05		
Geologist:	Chris Viani	Drilling Co.:	Summit
Driller:	Summit Drilling	Drill Rig:	Auger rig
Bit:	Hammer Wt:	Drop:	Total Depth:
Sampler Type:	Split-Spoon	G.W. Encountered:	
		G.W. Stabilized:	

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1						Silt, angular sand, and gravel. Gray to black.	1
2				2		Wood, with creosite odor.	2
3							3
4							4
5						Silt, angular sand, and gravel. Gray to black.	5
6							6
7			3Y-9 (6.5-7)	12			7
8							8
9						End of boring.	9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

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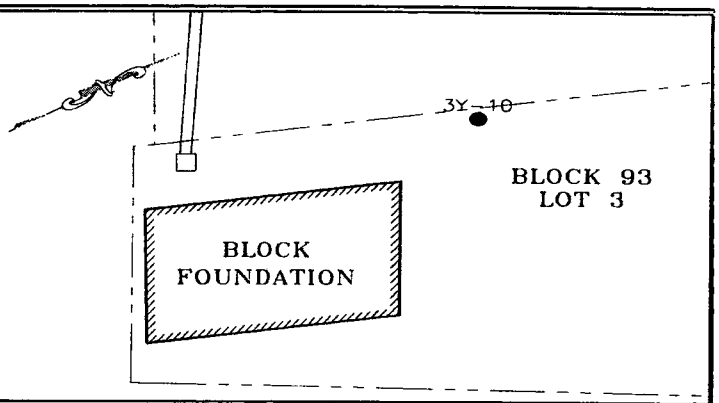
EWMA Job #:	203711
Boring #:	3Y-10
Install Date:	8/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05
Geologist: Chris Viani | **Drilling Co.:** Summit
Driller: Summit Drilling | **Drill Rig:** Auger rig
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:**
Sampler Type: Split-Spoon | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
1–2	3Y-10 (2-2.5)	0		18		Silt and angular sand, black to gray; some fine angular gravel. Mostly cinders.
3–4						End of boring.

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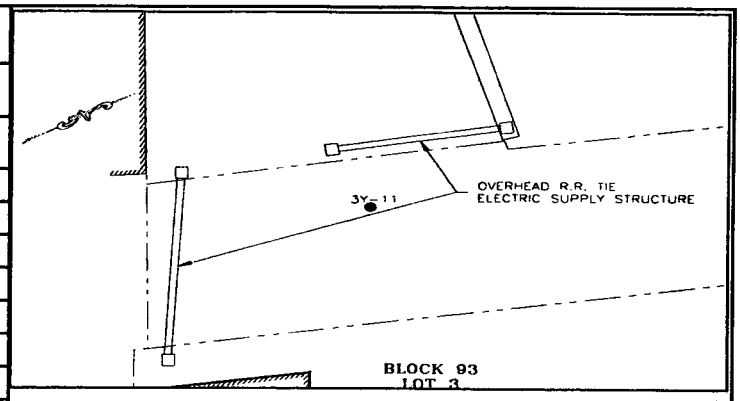
EWMA Job #:	203711
Boring #:	3Y-11
Install Date:	8/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05

Geologist: Chris Viani	**Drilling Co.:** Summit
Driller: Summit Drilling	**Drill Rig:** Auger rig
Bit:	**Hammer Wt:** **Drop:** **Total Depth:**
Sampler Type: Split-Spoon	**G.W. Encountered:**
	G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1–4	3Y-11 (2-2.5)			18		Silt and angular sand, black to gray; some fine angular gravel. Mostly cinders.	1–4
5–24						End of boring.	5–24

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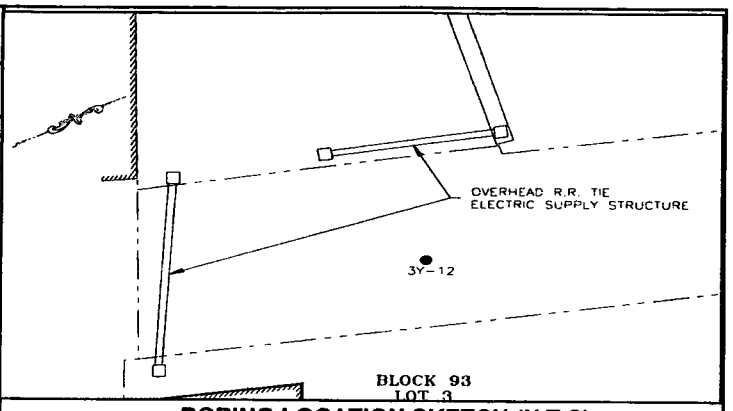
EWMA Job #:	203711
Boring #:	3Y-12
Install Date:	8/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05
Geologist: Chris Viani | **Drilling Co.:** Summit
Driller: Summit Drilling | **Drill Rig:** Auger rig
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 4'
Sampler Type: Split-Spoon | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1						Silt and angular sand, black to gray; some fine angular gravel. Mostly cinders. Mixed with asphalt/tar at bottom of spoon.	1
2							2
3	3Y-12 (2-2.5)	20					3
4		140		18			4
5						End of boring.	5
6							6
7							7
8							8
9							9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

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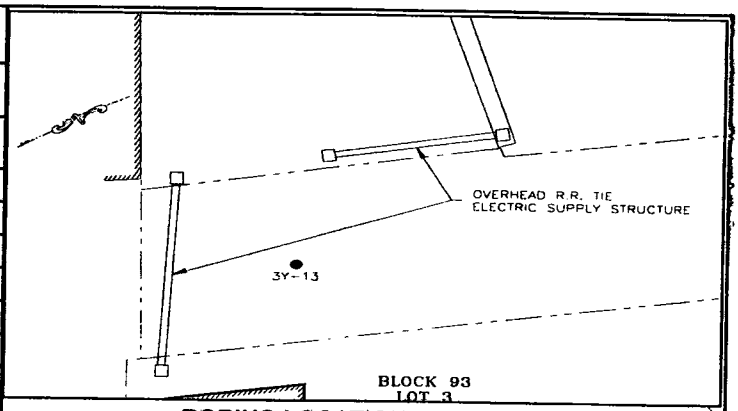
EWMA Job #:	203711
Boring #:	3Y-13
Install Date:	8/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05
Geologist: Chris Viani | **Drilling Co.:** Summit
Driller: Summit Drilling | **Drill Rig:** Auger rig
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 4'
Sampler Type: Split-Spoon | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
1–2	3Y-13 (2-2.5)	0		18		Silt and angular sand, black to gray; some fine angular gravel. Mostly cinders.
3–24						End of boring.

DEPTH (FT.) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

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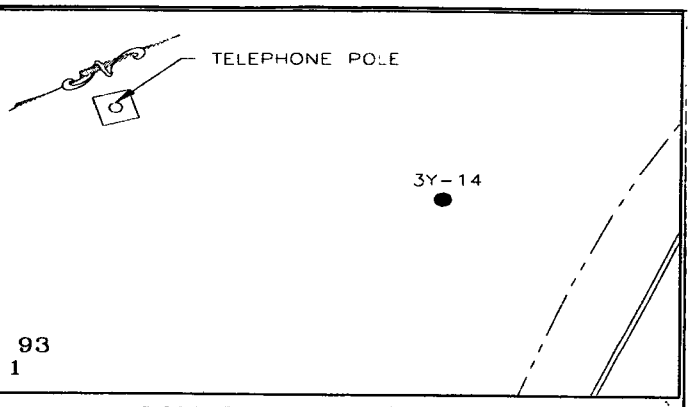
Phone: (973) 560-1400 Fax:(973) 560-0400

EWMA Job #:	203711
Boring #:	3Y-6
Install Date:	8/4/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/4/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth:
Sampler Type: Split-Spoon
G.W. Encountered:
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
0	3Y-14 (0-0.5)			18		Silt , sand and gravel, dark brown; with cinders and brick fragments.	0
1		1					1
2				18		Angular gravel and sand, "speckled" coloration- light gray to black. Mostly cinders.	2
3		0					3
4	3Y-14 (4-4.5)	37		4		SILT, brown; little sand; little gravel; with black oily staining.	4
5							5
6						SAND, medium, brown, with gray staining in upper section. Wet.	6
7		0		18			7
8		0		6			8
9							9
10		0		6		SAND, fine, reddish brown; little to some silt; wet.	10
11							11
12							12
13				18			13
14				0			14
15							15
16							16
17							17
18	3Y-14 17-17.5	9		18			18
19		0		12		SILT, reddish brown; little to some fine sand; trace clay.	19
20							20
21						End of boring.	21
22							22
23							23
24							24
25							25

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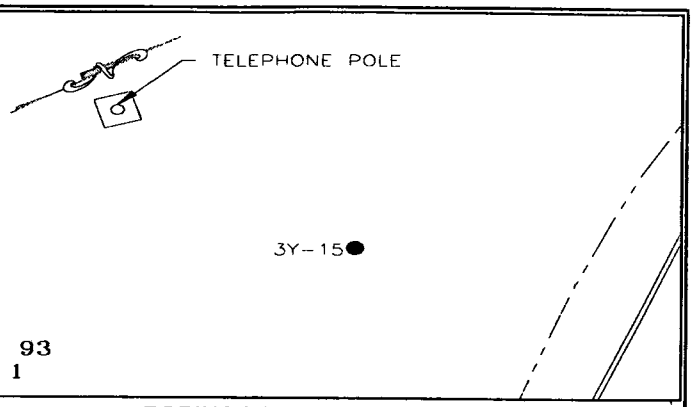
EWMA Job #:	203711
Boring #:	3Y-15
Install Date:	8/5/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/5/05
Geologist: Chris Viani | **Drilling Co.:** Summit
Driller: Summit Drilling | **Drill Rig:** Auger rig
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 7'
Sampler Type: Split-Spoon | **G.W. Encountered:** | **G.W. Stabilized:**



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1–4				6		Silt and sand, brown. Traces of broken glass.	1–4
5–7	3Y-15 (5-5.5)			12		SAND, medium, brown, wet. Slight black staining in top 1".	5–7
8–24						End of boring.	8–24

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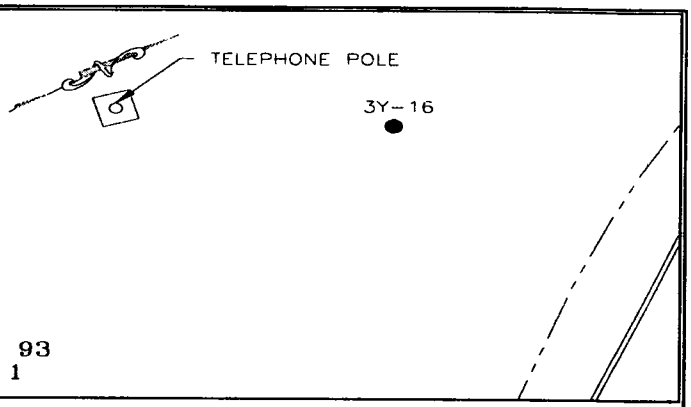
EWMA Job #:	203711
Boring #:	3Y-16
Install Date:	8/5/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/5/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 7'
Sampler Type: Split-Spoon
G.W. Encountered:
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1–4	3Y-16 (4-4.5)			18		SILT, dark gray to grayish brown; trace to some sand; trace gravel (with coal fragments). Moist.	1–4
5–6				12		SAND, medium, brown; little silt. Wet, with no sheen or odor.	5–6
7–24						End of boring.	7–24

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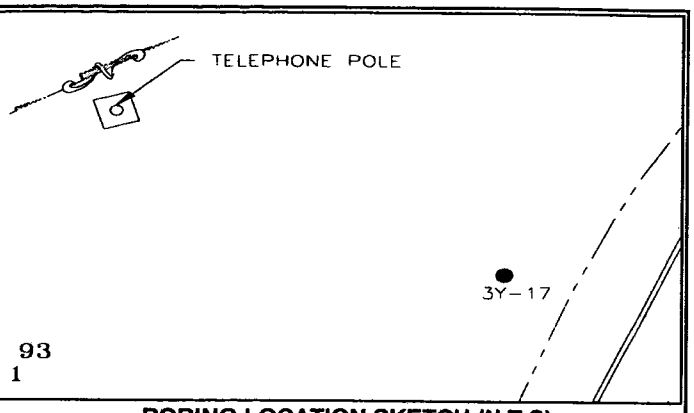
EWMA Job #:	203711
Boring #:	3Y-17
Install Date:	8/5/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/5/05
Geologist: Chris Viani
Drilling Co.: Summit
Driller: Summit Drilling
Drill Rig: Auger rig
Bit:
Hammer Wt:
Drop:
Total Depth: 7'
Sampler Type: Split-Spoon
G.W. Encountered:
G.W. Stabilized:



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BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1–3						Sand and fine gravel, angular, dark gray to buff; mostly cinders.	1–3
4				18		Sand and silt, brown.	4
5–6	3Y-17 (5-5.5)			12		SAND, medium, brown; some silt. Wet, with no sheen or odor.	5–6
7						End of boring.	7
8–24							8–24

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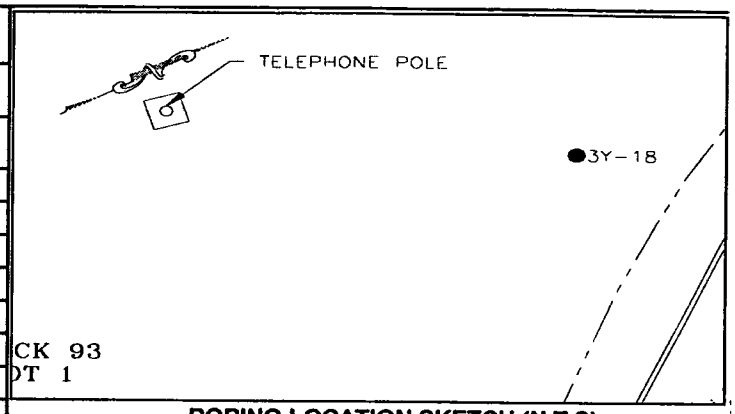
EWMA Job #:	203711
Boring #:	3Y-18
Install Date:	8/5/05

Site Name: Three Y-LLC
Site Location: 163 River Rd, Edgewater, NJ
Completion Date: 8/5/05
Geologist: Chris Viani | **Drilling Co.:** Summit
Driller: Summit Drilling | **Drill Rig:** Auger rig
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 7'
Sampler Type: Split-Spoon | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
1–4	3Y-18 (5-5.5)			6		Coarse sand and fine gravel, brown; mostly cinders.
5–7				12		SAND, medium, brown; some silt. Moist to wet at 6'. No sheen or odor.
8–24						End of boring.

DEPTH (FT.)

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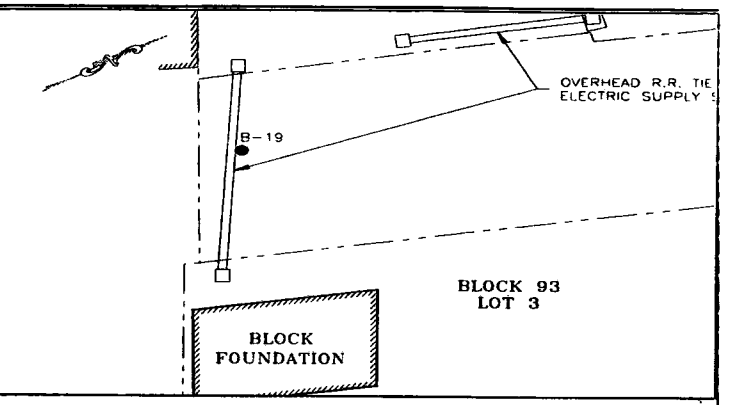
EWMA Job #:	203711
Boring #:	B-19
Install Date:	11/21/05

Site Name: Three-Y, LLC
Site Location: 163 Old River Road, Edgewater, NJ
Completion Date: 11/21/05
Geologist: Chris Viani | **Drilling Co.:** Talon Drilling
Driller: | **Drill Rig:** Geoprobe
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 8'
Sampler Type: 4-foot macrocore | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1				36		Silt and fine sand, dark to light brown; little to some coarse sand; little to some gravel; cinders and brick fragments common.	1
2							2
3		2				Wet at 3'.	3
4							4
5						SILT, offwhite. (2").	5
						Asphalt/tar, solid and hard, (1' thick) with 1/2" of geotextile-like fabric at bottom.	
6	B-19 6-6.5	15		36		SAND, coarse; dark brown to black; little gravel; little silt; coal frags and cinders common.	6
7		7				Piece of geotextile-like fabric at 6.5'. Wet throughout macrocore, with a faint, discontinuous sheen at the bottom.	7
8							8
9						End of boring.	9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

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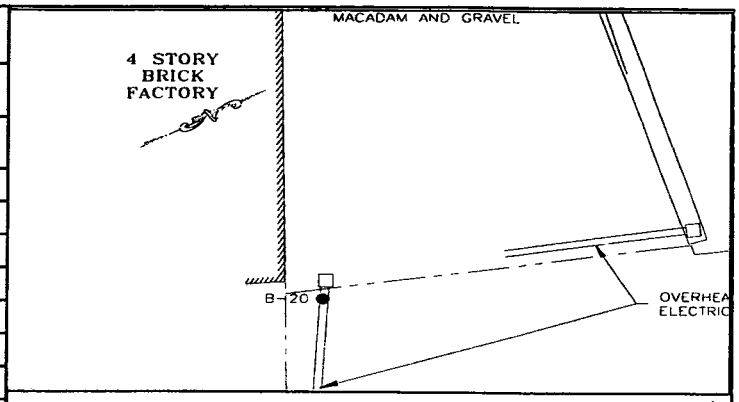
EWMA Job #:	203711
Boring #:	B-20
Install Date:	11/21/05

Site Name: Three-Y, LLC
Site Location: 163 Old River Road, Edgewater, NJ
Completion Date: 11/21/05
Geologist: Chris Viani | **Drilling Co.:** Talon Drilling
Driller: | **Drill Rig:** Geoprobe
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 8'
Sampler Type: 4-foot macrocore | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1–2		0		36		SILT, brown to black; little to some sand; little to some gravel; heterogeneous texture. Cinders, brick fragments common.	1–2
3–4		1					3–4
5		5				SILT, offwhite. (2").	5
6	B-20 5.5-6	18		36		Heterogeneous mixture of coal fragments, coarse sand, cinders, and coal dust.	6
7		0				Several inches of coal fragments and geotextile-like fabric mixed with solid, black asphalt or tar at 6'. Wet below 6'.	7
8						End of boring.	8
9–24							9–24

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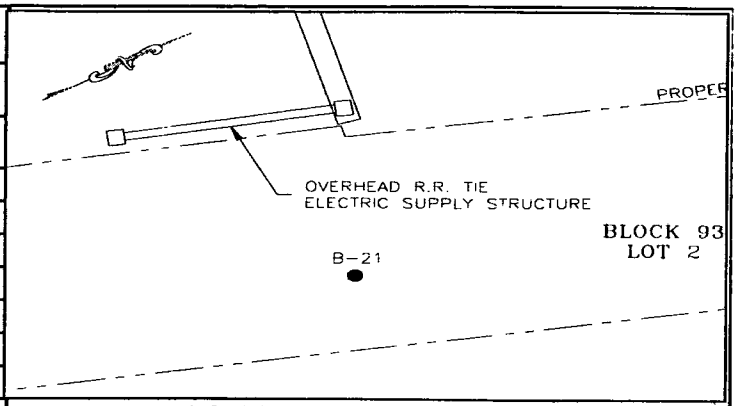
EWMA Job #:	203711
Boring #:	B-21
Install Date:	11/21/05

Site Name: Three-Y, LLC
Site Location: 163 Old River Road, Edgewater, NJ
Completion Date: 11/21/05
Geologist: Chris Viani
Drilling Co.: Talon Drilling
Driller:
Drill Rig: Geoprobe
Bit:
Hammer Wt:
Drop:
Total Depth: 8'
Sampler Type: 4-foot macrocore
G.W. Encountered:
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION
1		0		36		SILT, brown to dark brown; little sand; little gravel. Occ. cinders and concrete fragments.
2						
3		0				1" layer of ashalt/tar, hard but flexible, at 2.5'.
4						
5		0		36		Silt and clay, offwhite. 1" layer of geotextile fabric at base.
6	B-21 6-6.5					Silt and clay, brown, grading downward to brown silt and fine sand. Rootlets common in silt and sand. Very moist.
7		0				
8						End of boring.
9						
10						
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13						
14						
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20						
21						
22						
23						
24						

DEPTH (FT.)

Environmental Waste Management Associates, LLC

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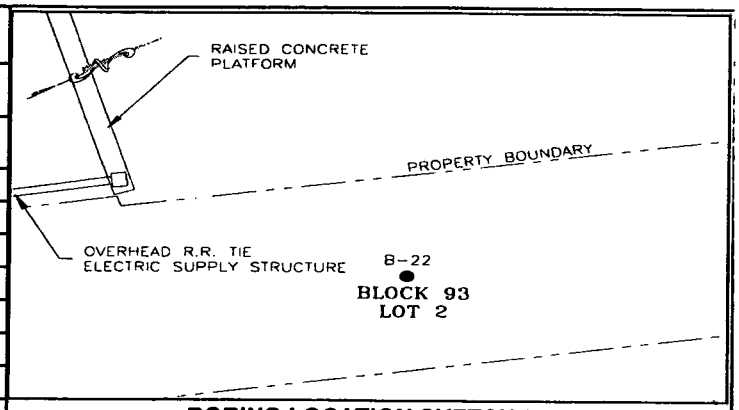
EWMA Job #:	203711
Boring #:	B-22
Install Date:	11/21/05

Site Name: Three-Y, LLC
Site Location: 163 Old River Road, Edgewater, NJ
Completion Date: 11/21/05
Geologist: Chris Viani
Drilling Co.: Talon Drilling
Driller:
Drill Rig: Geoprobe
Bit:
Hammer Wt:
Drop:
Total Depth: 8'
Sampler Type: 4-foot macrocore
G.W. Encountered:
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1		0		36		SILT, brown; little to some sand; little to some gravel. Brick and concrete fragments abundant.	1
2							2
3		0				Coarse sand and fine gravel, black, angular; coal and cinders common. Wet below 2'.	3
4							4
5	B-22 5-5.5	2		36			5
6						Brown silt and clay, grading downward to massive fine sand and some silt.	6
7		0					7
8						End of boring.	8
9							9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

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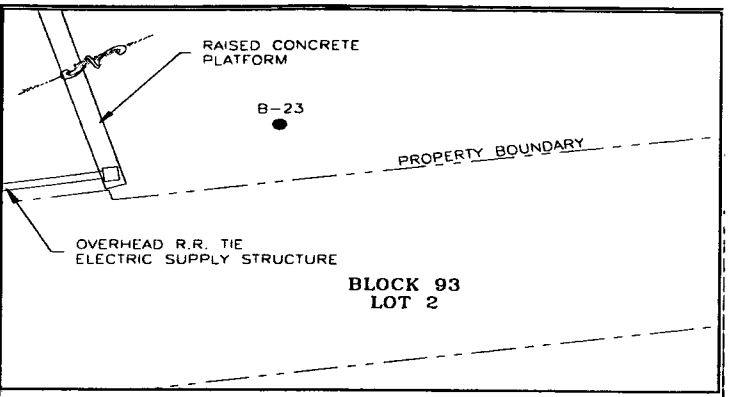
EWMA Job #:	203711
Boring #:	B-23
Install Date:	11/21/05

Site Name: Three-Y, LLC
Site Location: 163 Old River Road, Edgewater, NJ
Completion Date: 11/21/05
Geologist: Chris Viani | **Drilling Co.:** Talon Drilling
Driller: | **Drill Rig:** Geoprobe
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 8'
Sampler Type: 4-foot macrocore | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1		0				SILT, brown; little sand.	1
2				36		Concrete.	2
3		0				GRAVEL, fine, angular, dark brown to black; little sand; trace silt; wet.	3
4							4
5		0					5
6	B-23			36			6
7	6-6.5	28				SAND, coarse, black to dark gray; trace to some silt and clay; wet. Abundant cinders. Layers of black-stained geotextile fabric at 5' and 7'.	7
8							8
9						End of boring.	9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

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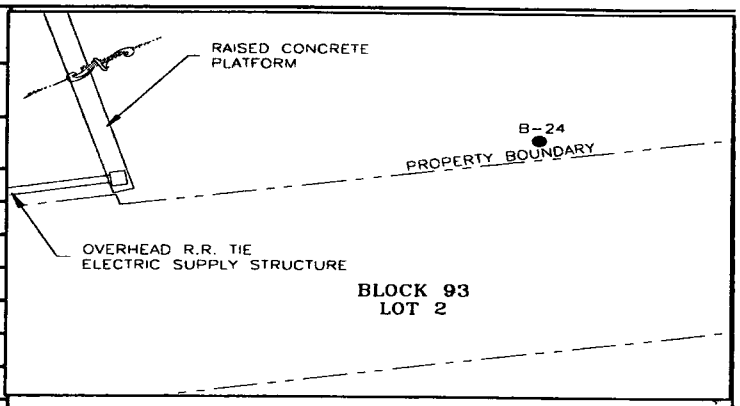
EWMA Job #:	203711
Boring #:	B-24
Install Date:	11/21/05

Site Name: Three-Y, LLC
Site Location: 163 Old River Road, Edgewater, NJ
Completion Date: 11/21/05
Geologist: Chris Viani
Drilling Co.: Talon Drilling
Driller:
Drill Rig: Geoprobe
Bit:
Hammer Wt:
Drop:
Total Depth: 8'
Sampler Type: 4-foot macrocore
G.W. Encountered:
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1		0					1
2				36		SILT, brown; little to some sand, trace gravel; abundant cinders. Wet at 2'.	2
3		0					3
4							4
5		0				GRAVEL, black, angular; some silt; some sand. Abundant coal frags. Wet.	5
6				36		Brown silt and clay, grading downward into massive silt and fine sand. Wet.	6
7	B-24 6.5-7	0					7
8							8
9						End of boring.	9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

Environmental Waste Management Associates, LLC

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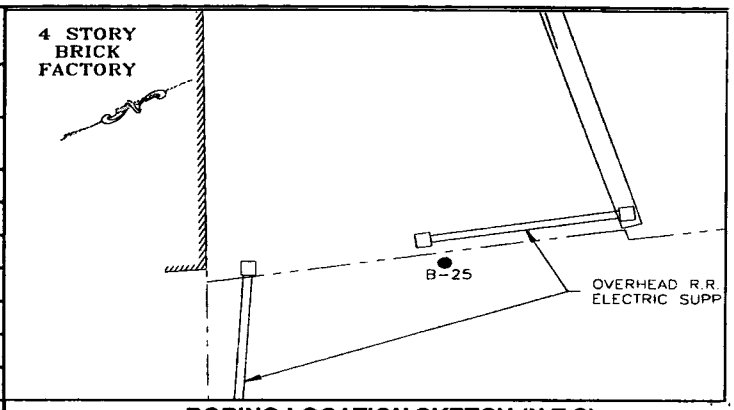
EWMA Job #:	203711
Boring #:	B-25
Install Date:	11/21/05

Site Name: Three-Y, LLC
Site Location: 163 Old River Road, Edgewater, NJ
Completion Date: 11/21/05
Geologist: Chris Viani
Drilling Co.: Talon Drilling
Driller:
Drill Rig: Geoprobe
Bit:
Hammer Wt:
Drop:
Total Depth: 8'
Sampler Type: 4-foot macrocore
G.W. Encountered:
G.W. Stabilized:



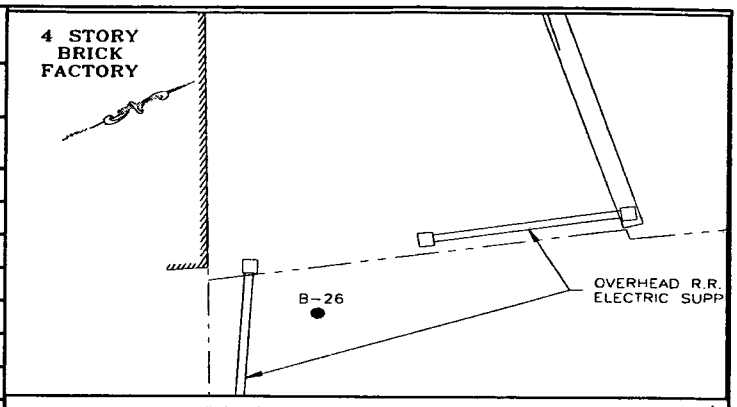
BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1		0				SILT, brown; some sand.	1
2	B-25 2-2.5	0		36		SAND, coarse, brown; little to some silt. Abundant cinders and coal fragments. Wet below 2'.	2
3							3
4							4
5		0				SAND, coarse, angular, gray to dark gray, mostly cinders; trace to little gravel; trace to some silt. Wet .	5
6				36			6
7		0					7
8							8
9						End of boring.	9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

Environmental Waste Management Associates, LLC
PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax:(973) 560-0400

EWMA Job #:	203711
Boring #:	B-26
Install Date:	11/21/05

Site Name: Three-Y, LLC
Site Location: 163 Old River Road, Edgewater, NJ
Completion Date: 11/21/05
Geologist: Chris Viani | **Drilling Co.:** Talon Drilling
Driller: | **Drill Rig:** Geoprobe
Bit: | **Hammer Wt:** | **Drop:** | **Total Depth:** 8'
Sampler Type: 4-foot macrocore | **G.W. Encountered:**
G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1		0		36		SILT, brown; some angular sand. Abundant cinders.	1
2							2
3		0				GRAVEL, angular, black; abundant coal and wood fragments. Gravel is partially "cemented" with aphalt or tar. Layer of geotextile-like fabric at 3'.	3
4							4
5		0		36		SAND, brownish gray, angular; some silt. Abundant cinders.	5
6							6
7		0				Asphalt/tar and coal-fragment mixture.	7
8							8
9						End of boring.	9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

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PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax:(973) 560-0400

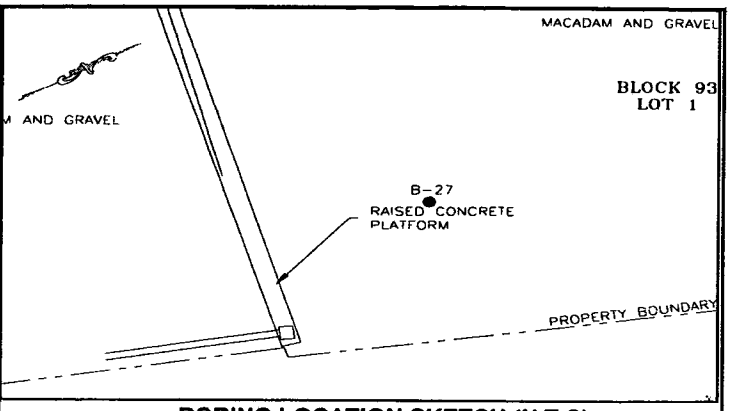
EWMA Job #:	203711
Boring #:	B-27
Install Date:	11/21/05

Site Name: Three-Y, LLC

Site Location: 163 Old River Road, Edgewater, NJ

Completion Date: 11/21/05

Geologist: Chris Viani			**Drilling Co.:** Talon Drilling
Driller:			**Drill Rig:** Geoprobe
Bit:	**Hammer Wt:**	**Drop:**	**Total Depth:** 8'
Sampler Type: 4-foot macrocore			**G.W. Encountered:**
			G.W. Stabilized:



BORING LOCATION SKETCH (N.T.S)

DEPTH (FT.)	SAMPLE ID AND DEPTH	PID/FID/OUA (METER UNITS)	BLOWS/6.0"	RECOVERY (INCHES)	SOIL TYPE	SOIL/GEOLOGICAL DESCRIPTION	DEPTH (FT.)
1		0		36		SILT, brown; some sand; occ. concrete fragments.	1
2							2
3		0				SAND, coarse, angular, black; little silt. Abundant cinders and coal fragments.	3
4						Wet below 4'.	4
5		0		30			5
6							6
7		0					7
8						End of boring.	8
9							9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24

CH2MHILL

PROJECT NUMBER: 332898.QT.20.23
BORING NUMBER: SB-13
SHEET 1 OF 1

SOIL BORING LOG

PROJECT : Quanta Resources RI/FS
DRILLING CONTRACTOR : Summit Drilling
LOCATION : Edgewater, NJ
ELEVATION :
NORTHING:
EASTING:
DRILLING METHOD AND EQUIPMENT USED : 4 1/4" Hollow Stem Auger/Split Spoon
WATER LEVELS 4.0' bgs
START : 8/3/05 @ 0950
END : 8/3/05 @ 1100
LOGGER : A. Harclerode

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" {N}	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. PID (ppm): Breathing Zone / Headspace
	0 - 2'	0	1/SS	40, 35, 32, 33 {67}	Slough	N/A
	2 - 4'	16	2/SS	15, 18, 22, 25 {40}	2.7 - 4.0': Coarse sand w/ cinder/slag/fill (SP), black, dry to wet with depth, medium dense, layered cardboard-like material mixed with tar-like product @ 3.0 to 3.5' with obvious petroleum product odor, saturated @ 4' bgs	0.2
5	4 - 6'	6	3/SS	8, 12, 9, 7 {21}	5.5 - 6.0': Gravelly sand w/ crushed brick and concrete/fill (SP), various colors, wet, loose	1.0 0.0
	6 - 8'	12	4/SS	22, 16, 8, 7 {24}	7 - 8': Same as above	1.1
	8 - 10'	10	5/SS	5, 7, 3, 2 {10}	9.2 - 10.0': Peaty, organic, silty clay (PT/OL), very dark grey, 10 YR, 3/1, soft, elastic, some fibrous wood	0.5
10	10 - 12'	12	6/SS	4, 5, 4, 5 {9}	11 - 12': Same as above	0.3
					Boring terminated @ 12' bgs	
15						
20						
25						

APPENDIX 3

DWR-133M
11/01

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

26000738

MONITORING WELL PERMIT

Permit No. 26000738

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 26 14 2 76

Owner THREE Y, LLC
Address 115 River Road
Edgewater, NJ 07020

Name of Facility Three Y LLC DEVELOPMENT
Address 163 RIVER ROAD
Edgewater

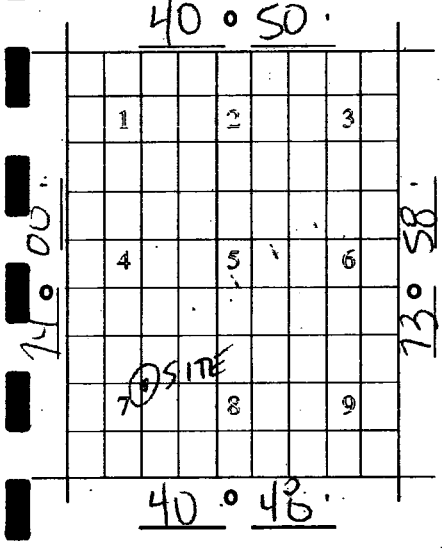
Driller Summit Drilling Co., Inc.
Address Central Jersey Industrial Park
Chimney Rock Road, Building 9W
Bound Brook, NJ 08805

Diameter of Well(s)	2 Inches	Proposed Depth of Well(s)	35 Feet
# of Wells Applied for (max. 10)	2	Will pumping equipment be utilized?	YES ☐ NO ☒
Type of Well (see reverse)	Monitor	If Yes, give pump capacity	— cumulative GPM

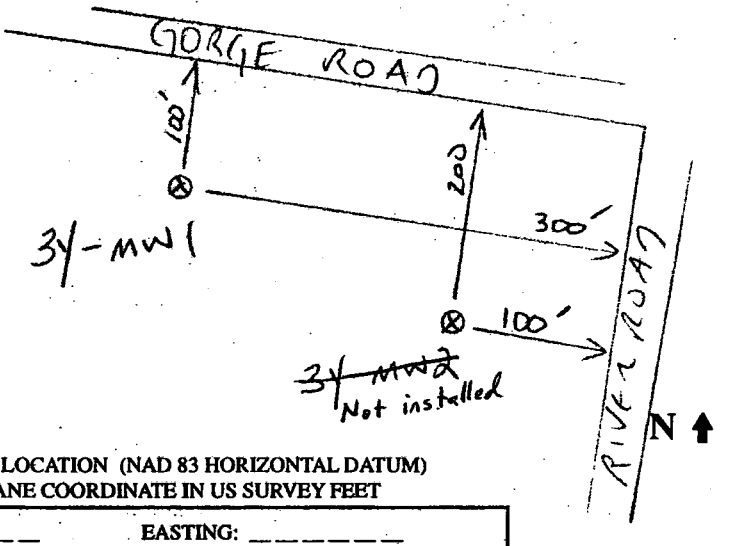
LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
1+2	93	Edgewater	Bergen

State Atlas Map No. 26



Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR
LATITUDE: ___ ° ___ ' ___ " LONGITUDE: ___ ° ___ ' ___ "

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☒ Other (explain)
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
FEB 16 2005
BUREAU OF WATER ALLOCATION

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☒ For monitoring purposes only
☐ _____

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 2-8-05 Signature of Driller John Vogt Registration No. J1544

Signature of Property Owner Christian (for Three Y) MS

WMA

COPIES: Water Allocation - White, Health Dept. - Yellow, Owner - Pink, Driller - Wh

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit Number 2600073823

Atlas Sheet Coordinates 2614276

OWNER IDENTIFICATION THREE Y LLC

Address 115 RIVER RD.

City Edgewater State New Jersey Zip Code 07020

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** 3Y-MW1

County Bergen Municipality Edgewater Boro Lot No. 1,2 Block No. 93

Address 163 RIVER RD. THREE Y LLC DEVELOPMENT

WELL USE Monitoring **DATE WELL STARTED** 3-3-05

DATE WELL COMPLETED 3-3-05

WELL CONSTRUCTION

Total Depth Drilled 22 ft.

Finished Well Depth 22 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well was finished: ☒ above grade ☐ flush mounted

If finished above grade, casing height (stick up) above land surface +3 ft.

Steel protective casing installed? ☒ Yes ☐ No

Static Water Level after drilling 8 ft.

Water Level was Measured Using tape

Well was developed for _____ hours

at _____ gpm

Method of development _____

Pump Capacity _____ gpm

Pump Type _____

Drilling Fluid _____ Type of Rig B61

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+3	12	2	PVC	pch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .020)	12	22	2	PVC	pch 40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	10	22		Morie #2	
Grout	0	10		Neat Cement	168 lbs
				Bentonite	10 lbs

Grouting Method Trenie

Drilling Method Auger

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5 Gray & black sand, fill

5-20 Brown silty F-M sand trace F-M gravel

20-22 Brown & tan brown silty clay

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company SUMMIT DRILLING CO INC

Well Driller (Print) Matt Raab

Driller's Signature Matt Raab

Registration No. 51577 Date 3/30/05

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING:_____ EASTING:_____

OR

LATITUDE: ° ' . " LONGITUDE: ° ' . "

ORIGINAL: DEP W *COPIES: DRILLER OWNER HEALTH DEPARTMENT*

DWR-133M
11/01

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

Permit No. 26000754 96

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 26 14 272

Owner THREE Y, LLC
Address 115 RIVER ROAD
EDGEWATER, NJ 07020

Driller SUMMIT DRILLING CO
Address 9W CHIMNEY ROCK ROAD
BOUND BROOK, NJ 08805

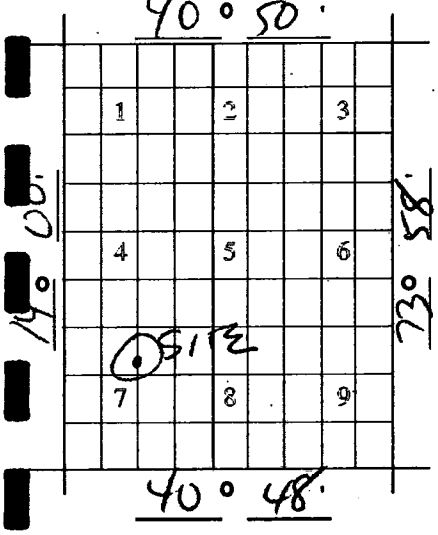
Name of Facility THREE Y
Address 163 RIVER ROAD
EDGEWATER, NJ

Diameter of Well(s)	2 Inches	Proposed Depth of Well(s)	30 Feet
# of Wells Applied for (max. 10)	1	Will pumping equipment be utilized?	YES ☐ NO ☑
Type of Well (see reverse)	MONITOR	If Yes, give pump capacity	N/A cumulative GPM

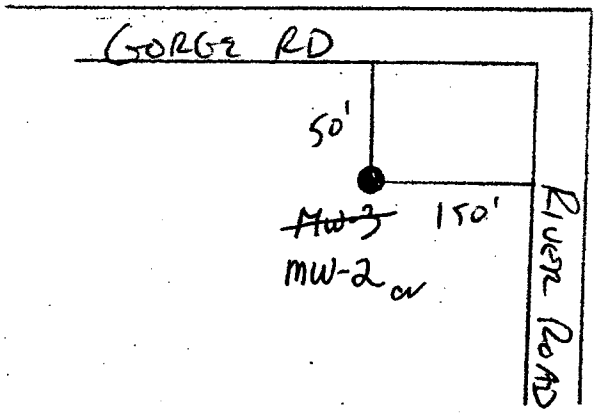
LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
1 & 2 (pt)	93	EDGEWATER	BERGEN

State Atlas Map No. 26



Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



N ↑

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR
LATITUDE: ___ ° ___ ' ___ " LONGITUDE: ___ ° ___ ' ___ "

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site
- ☑ Other (explain) OWNER INVESTIGATION

CASE I.D. Number _____

This Space For DEP Use Only
WELL PERMIT APPROVED
N.J. D.E.P.
JUN 13 2005
BUREAU OF WATER ALLOCATION

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☒ For monitoring purposes only

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 6-8-05 Signature of Driller John Vogt Registration No. J1544
EWMA Signature of Property Owner C Viane (for 3Y) SA

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit Number: 2600075496

Atlas Sheet Coordinates: 2614272

OWNER IDENTIFICATION THREE Y, LLC

Address 115 RIVER ROAD

City Edgewater State New Jersey Zip Code 07020

WELL LOCATION - If not the same as owner please give address Owner's Well No. MW3 MW-2 CV.

County Bergen Municipality Edgewater Boro Lot No. 2 Block No. 93

Address 163 RIVER ROAD

WELL USE Monitoring

DATE WELL STARTED 8-5-05

DATE WELL COMPLETED 8-5-05

WELL CONSTRUCTION

Total Depth Drilled 20 ft.

Finished Well Depth 20 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 5 ft.

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	3	2	PVC	SCH40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .010)	3	20	2	PVC	SCH 40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	2	20		Morie #2	
Grout	0	2		Neat Cement	94 lbs
				Bentonite	5 lbs

Water Level was Measured Using M-scope

Well was developed for 1/2 hours

at 3 gpm

Method of development pump

Pump Capacity ____ gpm

Pump Type ____

Drilling Fluid ____ Type of Rig CME75

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

Grouting Method Gravity

Drilling Method Auger

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5 Fill

5-20 Fine & med. gray orange sand some silt

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company SUMMIT DRILLING CO INC

Well Driller (Print) John Murtha

Driller's Signature John Murtha

Registration No. J21245 Date 9/29/05

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING:_____ EASTING:_____

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP *COPIES: DRILLER* *OWNER* *HEALTH DEPARTMENT*

APPENDIX 4

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **3Y LLC DEVELOPMENT - 203711**
IAL Case Number: **E05-01940**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-01940

Project Name 3Y LLC DEVELOPMENT - 203711

Customer EWMA - HQ

Received On 3/3/2005@12:25

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
01940-001	3Y-4A	n/a	3/2/2005@10:00	Soil	2
01940-002	3Y-4B	n/a	3/2/2005@10:30	Soil	2
01940-003	3Y-4C	n/a	3/2/2005@11:00	Soil	2
01940-004	3Y-4D	n/a	3/2/2005@09:30	Soil	2
01940-005	3Y-2A	n/a	3/2/2005@14:00	Soil	2
01940-006	3Y-2B	n/a	3/2/2005@14:15	Soil	2
01940-007	3Y-2C	n/a	3/2/2005@15:15	Soil	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received seven (7) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: 3Y LLC DEVELOPMENT - 203711) on March 3, 2005 for the analysis of:

(7) TCL VO+10
(7) TCL BNA+20
(7) PCB
(7) TCL Pesticides
(7) TAL Metals
(7) Ammonia
(7) Cyanide, Total

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

3/17/05
Date

000

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-01940

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

3/17/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E05 - 01940

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		NA
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	/	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

3/7/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E05 - 01940

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
a. B/N Fraction _____		
b. Acid Fraction _____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met		✓
If not met, list number of days exceeded for each sample: _____		
11. Analysis Holding Time Met		✓
If not met, list number of days exceeded for each sample: _____		
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
✓			

13. Comments: _____

Organics Manager

3-4-05
Date

001

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E05 - 01940

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

3/8/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PESTICIDES

Lab Case Number: E05 - 01940

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

03/07/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E05-01940

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		✓
3.	Serial Dilution Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

H. Falek-Jorgensen
Inorganic Manager

March 7, 2005
Date

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 3Y LLC DEVELOPMENT - 203711
Lab Case No.: E05-01940

Lab ID:	01940-001			01940-002			01940-003			01940-004		
Client ID:	3Y-4A			3Y-4B			3Y-4C			3Y-4D		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	3/2/05			3/2/05			3/2/05			3/2/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
Ethylbenzene	0.153	J	0.607	ND		0.531	ND		0.643	ND		0.548
Total Xylenes	0.209	J	0.607	ND		0.531	ND		0.643	ND		0.548
TOTAL VO's:	0.362	J		ND			ND			ND		
TOTAL TIC's:	13.3			ND			ND			ND		
TOTAL VO's & TIC's:	13.7	J		ND			ND			ND		
Semivolatiles - BNA (mg/Kg-ppm)												
Naphthalene	ND		0.125	0.655		0.125	ND		0.120	ND		0.116
2-Methylnaphthalene	ND		0.125	0.746		0.125	ND		0.120	ND		0.116
Acenaphthylene	ND		0.125	0.086	J	0.125	ND		0.120	ND		0.116
Acenaphthene	0.225		0.125	0.511		0.125	ND		0.120	ND		0.116
Dibenzofuran	0.113	J	0.125	ND		0.125	ND		0.120	ND		0.116
Fluorene	0.214		0.125	0.849		0.125	ND		0.120	ND		0.116
Phenanthrene	3.15		0.125	4.65		0.125	ND		0.120	ND		0.116
Anthracene	0.782		0.125	0.883		0.125	ND		0.120	ND		0.116
Carbazole	0.169		0.125	0.294		0.125	ND		0.120	ND		0.116
Fluoranthene	5.10		0.125	4.00		0.125	ND		0.120	ND		0.116
Pyrene	4.07		0.125	3.62		0.125	ND		0.120	ND		0.116
Benzo[a]anthracene	2.53		0.125	1.80		0.125	ND		0.120	ND		0.116
Chrysene	2.77		0.125	2.04		0.125	ND		0.120	ND		0.116
bis(2-Ethylhexyl)phthalate	0.116	J	0.125	ND		0.125	ND		0.120	ND		0.116
Benzo[b]fluoranthene	2.03		0.125	1.11		0.125	ND		0.120	ND		0.116
Benzo[k]fluoranthene	1.59		0.125	0.982		0.125	ND		0.120	ND		0.116
Benzo[a]pyrene	2.25		0.125	1.37		0.125	ND		0.120	ND		0.116
Indeno[1,2,3-cd]pyrene	1.38		0.125	0.742		0.125	ND		0.120	ND		0.116
Dibenz[a,h]anthracene	0.764		0.125	0.414		0.125	ND		0.120	ND		0.116
Benzo[g,h,i]perylene	1.48		0.125	0.866		0.125	ND		0.120	ND		0.116
TOTAL BNA'S:	28.7	J		25.6	J		ND			ND		
TOTAL TIC's:	2.27			8.05			ND			ND		
TOTAL BNA'S & TIC's:	31.0	J		33.7	J		ND			ND		
PCB's (mg/Kg-ppm)												
Aroclor-1016	ND		0.020	ND		0.019	ND		0.018	ND		0.018
Aroclor-1221	ND		0.020	ND		0.019	ND		0.018	ND		0.018
Aroclor-1232	ND		0.020	ND		0.019	ND		0.018	ND		0.018
Aroclor-1242	ND		0.020	ND		0.019	ND		0.018	ND		0.018
Aroclor-1248	ND		0.020	ND		0.019	ND		0.018	ND		0.018
Aroclor-1254	ND		0.020	ND		0.019	ND		0.018	ND		0.018
Aroclor-1260	ND		0.020	ND		0.019	ND		0.018	ND		0.018

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 3Y LLC DEVELOPMENT - 203711
Lab Case No.: E05-01940

Lab ID:	01940-001			01940-002			01940-003			01940-004		
Client ID:	3Y-4A			3Y-4B			3Y-4C			3Y-4D		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	3/2/05			3/2/05			3/2/05			3/2/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Pesticides (mg/Kg-ppm)												
alpha-BHC	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
beta-BHC	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
gamma-BHC	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
delta-BHC	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Heptachlor	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Aldrin	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Heptachlor epoxide	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Endosulfan I	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
4,4'-DDE	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Dieldrin	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Endrin	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Endosulfan II	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
4,4'-DDD	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Endrin aldehyde	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Endosulfan sulfate	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
4,4'-DDT	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Endrin ketone	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Methoxychlor	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
alpha-Chlordane	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
gamma-Chlordane	ND		0.00487	ND		0.00476	ND		0.0045	ND		0.00447
Toxaphene	ND		0.024	ND		0.024	ND		0.023	ND		0.022
Metals (mg/Kg-ppm)												
Aluminum	10900		13.1	14200		502	9800		12.3	4140		11.8
Antimony	ND		1.31	ND		1.26	ND		1.23	ND		1.18
Arsenic	6.43		1.31	8.31		1.26	2.25		1.23	5.10		1.18
Barium	78.5		13.1	90.7		12.6	31.0		12.3	21.9		11.8
Beryllium	ND		0.653	ND		0.628	ND		0.615	ND		0.590
Cadmium	0.451		0.326	1.17		0.314	ND		0.308	ND		0.295
Calcium	11600		65.3	19700		62.8	938		61.5	2050		59.0
Chromium	26.7		2.61	20.3		2.51	14.6		2.46	9.17		2.36
Cobalt	11.0		2.61	8.80		2.51	7.21		2.46	3.47		2.36
Copper	85.5		2.61	57.1		2.51	20.1		2.46	20.4		2.36
Iron	17900		32.6	19200		31.4	19700		30.8	6470		29.5
Lead	117		0.653	501		0.628	22.4		0.615	10.9		0.590
Magnesium	9410		65.3	6770		62.8	3740		61.5	2930		59.0
Manganese	352		1.31	264		1.26	414		1.23	175		1.18
Mercury	0.168		0.016	0.138		0.016	0.023		0.015	ND		0.015
Nickel	82.7		1.31	29.4		1.26	16.0		1.23	6.21		1.18
Potassium	1730		65.3	1190		62.8	867		61.5	1620		59.0
Selenium	ND		2.61	ND		2.51	ND		2.46	ND		2.36
Silver	ND		0.653	ND		0.628	ND		0.615	ND		0.590
Sodium	458		131	1230		126	168		123	184		118
Thallium	0.154		0.131	ND		0.126	ND		0.123	ND		0.118
Vanadium	32.1		2.61	22.3		2.51	14.0		2.46	14.7		2.36
Zinc	112		2.61	464		2.51	60.2		2.46	54.7		2.36
General Analytical												
Cyanide, Total(mg/Kg-ppm)	ND		1.29	ND		1.25	ND		1.23	ND		1.18
Ammonia(mg/Kg-ppm)	ND		0.257	ND		0.251	ND		0.247	ND		0.237

ND = Analyzed for but Not Detected at the MDL

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 3Y LLC DEVELOPMENT - 203711
Lab Case No.: E05-01940

Lab ID:	01940-005			01940-006			01940-007		
Client ID:	3Y-2A			3Y-2B			3Y-2C		
Matrix:	Soil			Soil			Soil		
Sampled Date	3/2/05			3/2/05			3/2/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)									
TOTAL VO's:	ND		0.572	ND		0.577	ND		0.575
TOTAL TIC's:	ND			0.831			ND		
TOTAL VO's & TIC's:	ND			0.831			ND		
Semivolatiles - BNA (mg/Kg-ppm)									
Naphthalene	3.96		2.30	2.44		0.114	ND		0.118
2-Methylnaphthalene	1.98	J	2.30	0.136		0.114	ND		0.118
Acenaphthene	7.44		2.30	0.439		0.114	ND		0.118
Dibenzofuran	3.63		2.30	0.284		0.114	ND		0.118
Fluorene	6.00		2.30	0.372		0.114	ND		0.118
Phenanthrene	62.3		2.30	1.95		0.114	ND		0.118
Anthracene	13.4		2.30	0.743		0.114	ND		0.118
Carbazole	6.98		2.30	0.175		0.114	ND		0.118
Fluoranthene	90.1		2.30	1.60		0.114	ND		0.118
Pyrene	69.8		2.30	1.25		0.114	ND		0.118
Benzo[a]anthracene	46.7		2.30	0.561		0.114	ND		0.118
Chrysene	53.2		2.30	0.713		0.114	ND		0.118
Benzo[b]fluoranthene	38.9		2.30	0.288		0.114	ND		0.118
Benzo[k]fluoranthene	34.0		2.30	0.343		0.114	ND		0.118
Benzo[a]pyrene	45.6		2.30	0.453		0.114	ND		0.118
Indeno[1,2,3-cd]pyrene	27.2		2.30	0.236		0.114	ND		0.118
Dibenz[a,h]anthracene	13.6		2.30	0.117		0.114	ND		0.118
Benzo[g,h,i]perylene	28.3		2.30	0.267		0.114	ND		0.118
TOTAL BNA'S:	553	J		12.4			ND		
TOTAL TIC's:	53.3			0.580			ND		
TOTAL BNA'S & TIC's:	606	J		13.0			ND		
PCB's (mg/Kg-ppm)									
Aroclor-1016	ND		0.020	ND		0.018	ND		0.018
Aroclor-1221	ND		0.020	ND		0.018	ND		0.018
Aroclor-1232	ND		0.020	ND		0.018	ND		0.018
Aroclor-1242	ND		0.020	ND		0.018	ND		0.018
Aroclor-1248	ND		0.020	ND		0.018	ND		0.018
Aroclor-1254	ND		0.020	ND		0.018	ND		0.018
Aroclor-1260	ND		0.020	ND		0.018	ND		0.018

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 3Y LLC DEVELOPMENT - 203711
Lab Case No.: E05-01940

Lab ID:	01940-005			01940-006			01940-007		
Client ID:	3Y-2A			3Y-2B			3Y-2C		
Matrix:	Soil			Soil			Soil		
Sampled Date	3/2/05			3/2/05			3/2/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Pesticides (mg/Kg-ppm)									
alpha-BHC	ND		0.0051	ND		0.00454	ND		0.00455
beta-BHC	ND		0.0051	ND		0.00454	ND		0.00455
gamma-BHC	ND		0.0051	ND		0.00454	ND		0.00455
delta-BHC	ND		0.0051	ND		0.00454	ND		0.00455
Heptachlor	ND		0.0051	ND		0.00454	ND		0.00455
Aldrin	ND		0.0051	ND		0.00454	ND		0.00455
Heptachlor epoxide	ND		0.0051	ND		0.00454	ND		0.00455
Endosulfan I	ND		0.0051	ND		0.00454	ND		0.00455
4,4'-DDE	ND		0.0051	ND		0.00454	ND		0.00455
Dieldrin	ND		0.0051	ND		0.00454	ND		0.00455
Endrin	ND		0.0051	ND		0.00454	ND		0.00455
Endosulfan II	ND		0.0051	ND		0.00454	ND		0.00455
4,4'-DDD	ND		0.0051	ND		0.00454	ND		0.00455
Endrin aldehyde	ND		0.0051	ND		0.00454	ND		0.00455
Endosulfan sulfate	ND		0.0051	ND		0.00454	ND		0.00455
4,4'-DDT	ND		0.0051	ND		0.00454	ND		0.00455
Endrin ketone	ND		0.0051	ND		0.00454	ND		0.00455
Methoxychlor	ND		0.0051	ND		0.00454	ND		0.00455
alpha-Chlordane	ND		0.0051	ND		0.00454	ND		0.00455
gamma-Chlordane	ND		0.0051	ND		0.00454	ND		0.00455
Toxaphene	ND		0.025	ND		0.023	ND		0.023
Metals (mg/Kg-ppm)									
Aluminum	10900		12.9	12200		476	6090		12.1
Antimony	ND		1.29	ND		1.19	ND		1.21
Arsenic	16.7		1.29	ND		1.19	1.67		1.21
Barium	99.7		12.9	17.0		11.9	31.9		12.1
Beryllium	ND		0.643	ND		0.595	ND		0.605
Cadmium	0.709		0.321	ND		0.298	ND		0.303
Calcium	16900		64.3	830		59.5	1030		60.5
Chromium	27.1		2.57	14.7		2.38	9.36		2.42
Cobalt	9.01		2.57	4.55		2.38	5.36		2.42
Copper	123		2.57	11.1		2.38	10.4		2.42
Iron	19600		32.1	15100		29.8	12200		30.3
Lead	163		0.643	8.31		0.595	4.51		0.605
Magnesium	6480		64.3	3660		59.5	2700		60.5
Manganese	348		1.29	105		1.19	194		1.21
Mercury	0.427		0.016	0.062		0.015	ND		0.015
Nickel	23.6		1.29	14.3		1.19	12.4		1.21
Potassium	1190		64.3	778		59.5	697		60.5
Selenium	ND		2.57	ND		2.38	ND		2.42
Silver	ND		0.643	ND		0.595	ND		0.605
Sodium	413		129	160		119	169		121
Thallium	0.329		0.129	ND		0.119	ND		0.121
Vanadium	39.6		2.57	19.3		2.38	11.0		2.42
Zinc	160		2.57	41.0		2.38	26.5		2.42
General Analytical									
Cyanide, Total(mg/Kg-ppm)	ND		1.28	ND		1.20	ND		1.22
Ammonia(mg/Kg-ppm)	0.336		0.256	0.865		0.240	ND		0.244

ND = Analyzed for but Not Detected at the MDL

[redacted] Fax # (973) 989-5288

CHAIN OF CUSTODY

[redacted] Randolph, NJ 07869

CLIENT & PROJECT

Company EWMA	
Address:	
Telephone #:	
Fax #:	
Project Name: 3Y LLC Development	
Project Manager: Ajay Kathuria	
Reference ID#: 203711 PO#:	

REPORTING & BILLING

Fax to:	
Fax #:	
EMail to:	
Report to:	
Address:	
Invoice to:	
Address:	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

Conditional / TPHC

24 hr* 48 hr 72 hr 1 wk NA

Verbal/Fax

24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std

Hard Copy

72 hr* 1 wk* 2 wk* 3 wk/Std

Results needed by:

Report Format

Results Only

Reduced

Regulatory

SRP Disk**: dbf or wk1

Special Requirements:

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	Preservatives
TCL/TAL+30	Ammonia									1. HCL 3. HNO_3 2. NaOH 4. H_2SO_4 5. MeOH 6. Other Ice

COOLER TEMP. 4 °C

SAMPLE INFORMATION

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O - Oil X - Other S - Soil
GW - Groundwater SOL - Solid

Sample ID	Sample Depth (In Feet)	Sampling Date	Sampling Time	# am	# pm	Matrix	# of Containers	Lab ID	Comments/Area of Concern
3Y-4A		3/2/5	10:00			soil	2	1	
3Y-4B			10:30					2	
3Y-4C			11:00					3	
3Y-4D			9:30					4	
3Y-2A			2:00					5	
3Y-2B			2:15					6	
3Y-2C			3:15					7	

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or No

Describe:

Conc. Expected: Low Med High

MDL Req:

GWQS or SCC

CUSTODY LOG

Signature/Company	Date	Time	Signature/Company
Relinquished by:	3/3/05	8:45	Received by:
Relinquished by:	3/3/05		Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #

01940

Describe

PAGE: / OF /

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

REV 10/03

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E05** **01940** CLIENT: EWM

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = YES/NA
✗ = NO

- ✓ Bottles Intact
- ✓ no-Missing Bottles
- ✓ no-Extra Bottles

- ✓ Sufficient Sample Volume
- ✓ no-headspace/bubbles in VOs
- ✓ Labels intact/correct
- ✓ pH Check (exclude VOs)[1]
- ✓ Correct bottles/preservative
- ✓ Sufficient Holding/Prep Time[1]
- [ ] Sample to be Subcontracted

All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [B] DATE 3/3/05

CORRECTIVE ACTION REQUIRED: YES [ ] (SEE BELOW) NO [✓]

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [JH] DATE 03/03/05

REV 02/05

9306

LABORATORY CUSTODY CHRONICLE

Case No. E05-01940

Client EWMA - HQ

Project 3Y LLC DEVELOPMENT - 203711

			Preparation		Analysis	
			Date / Time	Analyst	Date / Time	Analyst
Department: Metals						
"	-005	Soil	3/3/05	Lisa	3/7/05	Helge
"	-006	Soil	3/3/05	Lisa	3/7/05	Helge
"	-007	Soil	3/3/05	Lisa	3/7/05	Helge
Department: Wet Chemistry						
Ammonia	01940-001	Soil	n/a	n/a	3/11/05	Jackie
"	-002	Soil	n/a	n/a	3/11/05	Jackie
"	-003	Soil	n/a	n/a	3/11/05	Jackie
"	-004	Soil	n/a	n/a	3/11/05	Jackie
"	-005	Soil	n/a	n/a	3/11/05	Jackie
"	-006	Soil	n/a	n/a	3/11/05	Jackie
"	-007	Soil	n/a	n/a	3/11/05	Jackie
Cyanide, Total	01940-001	Soil	n/a	n/a	3/10/05	Jackie
"	-002	Soil	n/a	n/a	3/10/05	Jackie
"	-003	Soil	n/a	n/a	3/10/05	Jackie
"	-004	Soil	n/a	n/a	3/10/05	Jackie
"	-005	Soil	n/a	n/a	3/10/05	Jackie
"	-006	Soil	n/a	n/a	3/10/05	Jackie
"	-007	Soil	n/a	n/a	3/10/05	Jackie

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **163 RIVER RD. EDGEWATER - 203711**
IAL Case Number: **E05-01997**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-01997

Project Name 163 RIVER RD. EDGEWATER - 203711

Customer EWMA - HQ

Received On 3/4/2005@13:00

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
01997-001	3Y-2D	n/a	3/4/2005@09:30	Soil	2
01997-002	3Y-2E	n/a	3/4/2005@10:30	Soil	1
01997-003	3Y-2R	n/a	3/4/2005@11:00	Soil	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received three (3) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: 163 RIVER RD. EDGEWATER - 203711) on March 4, 2005 for the analysis of:

(2) TCL VO+10
(2) TCL BNA+20
(1) TCL BNA + 20
(3) PCB
(3) TCL Pesticides
(3) TAL Metals
(3) Ammonia
(3) Cyanide, Total

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

3/18/05
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-01997

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

3/18/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E05 - 01997

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

3/12/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PESTICIDES

Lab Case Number: E05 - 0197

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	Standards Summary submitted.		✓
3.	Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5.	Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7.	Retention Time Shift Meet Criteria (if applicable).		✓
8.	Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

04/10/05
Date

SUMMARY REPORT

Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER RD. EDGEWATER - 203711
Lab Case No.: E05-01997

Lab ID:	01997-001			01997-002			01997-003		
Client ID:	3Y-2D			3Y-2E			3Y-2R		
Matrix:	Soil			Soil			Soil		
Sampled Date	3/4/05			3/4/05			3/4/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)									
TOTAL VO's:	ND		0.439	~		~	ND		0.578
TOTAL TIC's:	ND			~		~	ND		
TOTAL VO's & TIC's:	ND			~		~	ND		
Semivolatiles - BNA (mg/Kg-ppm)									
Acenaphthene	ND		0.104	3.40		1.20	ND		0.125
Dibenzofuran	ND		0.104	2.46		1.20	ND		0.125
Fluorene	ND		0.104	2.78		1.20	ND		0.125
Phenanthrene	ND		0.104	33.7		1.20	ND		0.125
Anthracene	ND		0.104	9.70		1.20	ND		0.125
Carbazole	ND		0.104	1.85		1.20	ND		0.125
Fluoranthene	ND		0.104	60.8		1.20	ND		0.125
Pyrene	ND		0.104	52.5		1.20	ND		0.125
Benzo[a]anthracene	ND		0.104	30.2		1.20	ND		0.125
Chrysene	ND		0.104	35.2		1.20	ND		0.125
Benzo[b]fluoranthene	ND		0.104	28.2		1.20	ND		0.125
Benzo[k]fluoranthene	ND		0.104	19.7		1.20	ND		0.125
Benzo[a]pyrene	ND		0.104	25.8		1.20	ND		0.125
Indeno[1,2,3-cd]pyrene	ND		0.104	16.0		1.20	ND		0.125
Dibenz[a,h]anthracene	ND		0.104	6.43		1.20	ND		0.125
Benzo[g,h,i]perylene	ND		0.104	15.8		1.20	ND		0.125
TOTAL BNA'S:	ND			345			ND		
TOTAL TIC's:	ND			20.7			ND		
TOTAL BNA'S & TIC's:	ND			366			ND		
PCB's (mg/Kg-ppm)									
Aroclor-1016	ND		0.016	ND		0.019	ND		0.018
Aroclor-1221	ND		0.016	ND		0.019	ND		0.018
Aroclor-1232	ND		0.016	ND		0.019	ND		0.018
Aroclor-1242	ND		0.016	ND		0.019	ND		0.018
Aroclor-1248	ND		0.016	ND		0.019	ND		0.018
Aroclor-1254	ND		0.016	ND		0.019	ND		0.018
Aroclor-1260	ND		0.016	ND		0.019	ND		0.018
Pesticides (mg/Kg-ppm)									
alpha-BHC	ND		0.00392	ND		0.0047	ND		0.00451
beta-BHC	ND		0.00392	ND		0.0047	ND		0.00451
gamma-BHC	ND		0.00392	ND		0.0047	ND		0.00451
delta-BHC	ND		0.00392	ND		0.0047	ND		0.00451
Heptachlor	ND		0.00392	ND		0.0047	ND		0.00451
Aldrin	ND		0.00392	ND		0.0047	ND		0.00451
Heptachlor epoxide	ND		0.00392	ND		0.0047	ND		0.00451
Endosulfan I	ND		0.00392	ND		0.0047	ND		0.00451
4,4'-DDE	ND		0.00392	ND		0.0047	ND		0.00451

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
Continued on Next Page

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER RD. EDGEWATER - 203711
Lab Case No.: E05-01997

Lab ID:	01997-001			01997-002			01997-003		
Client ID:	3Y-2D			3Y-2E			3Y-2R		
Matrix:	Soil			Soil			Soil		
Sampled Date	3/4/05			3/4/05			3/4/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Pesticides (mg/Kg-ppm)									
Dieldrin	ND		0.00392	ND		0.0047	ND		0.00451
Endrin	ND		0.00392	ND		0.0047	ND		0.00451
Endosulfan II	ND		0.00392	ND		0.0047	ND		0.00451
4,4'-DDD	ND		0.00392	ND		0.0047	ND		0.00451
Endrin aldehyde	ND		0.00392	ND		0.0047	ND		0.00451
Endosulfan sulfate	ND		0.00392	ND		0.0047	ND		0.00451
4,4'-DDT	ND		0.00392	ND		0.0047	ND		0.00451
Endrin ketone	ND		0.00392	ND		0.0047	ND		0.00451
Methoxychlor	ND		0.00392	ND		0.0047	ND		0.00451
alpha-Chlordane	ND		0.00392	ND		0.0047	ND		0.00451
gamma-Chlordane	ND		0.00392	ND		0.0047	ND		0.00451
Toxaphene	ND		0.020	ND		0.023	ND		0.023
Metals (mg/Kg-ppm)									
Aluminum	7490		11.0	8590		12.7	19200		516
Antimony	ND		1.10	ND		1.27	ND		1.29
Arsenic	3.76		1.10	34.5		1.27	4.63		1.29
Barium	73.6		11.0	445		12.7	103		12.9
Beryllium	ND		0.551	ND		0.635	0.830		0.645
Cadmium	0.310		0.275	1.23		0.318	ND		0.323
Calcium	3040		55.1	3180		63.5	7940		64.5
Chromium	14.0		2.20	19.3		2.54	23.2		2.58
Cobalt	5.36		2.20	12.7		2.54	14.2		2.58
Copper	22.0		2.20	114		2.54	26.1		2.58
Iron	9700		27.5	50900		31.8	29400		32.3
Lead	12.2		0.551	514		0.635	15.4		0.645
Magnesium	5540		55.1	1540		63.5	10100		64.5
Manganese	395		1.10	490		1.27	676		1.29
Mercury	ND		0.014	0.676		0.016	0.029		0.016
Nickel	11.4		1.10	22.9		1.27	29.2		1.29
Potassium	2360		55.1	489		63.5	2500		64.5
Selenium	ND		2.20	ND		2.54	ND		2.58
Silver	ND		0.551	ND		0.635	ND		0.645
Sodium	319		110	247		127	339		129
Thallium	0.130		0.110	1.07		0.127	ND		0.129
Vanadium	21.9		2.20	28.3		2.54	27.6		2.58
Zinc	42.1		2.20	475		2.54	68.4		2.58
General Analytical									
Cyanide, Total(mg/Kg-ppm)	ND		1.11	ND		1.26	ND		1.29
Ammonia(mg/Kg-ppm)	ND		0.221	ND		0.252	ND		0.259

ND = Analyzed for but Not Detected at the MDL

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company EWMA	
Address:	
Telephone #:	
Fax #:	
Project Name:	
Project Manager: Ajay Kathuria	
Location of Site (STATE): 163 River Rd, Edgewater	
Reference ID#: 203711 PO#:	

REPORTING & BILLING

Fax to:	
Fax #:	
EMail to:	
Report to:	
Address:	
Invoice to:	
Address:	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

Conditional / TPHC — Results needed by:
24 hr* 48 hr 72 hr 1 wk NA

Verbal/Fax
24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std

Hard Copy
72 hr* 1 wk* 2 wk* 3 wk/Std

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

Report Format
Results Only
Reduced
Regulatory
SRP Disk**: dbf or wk1
Special Requirements:

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

1 2 3 4 5 6	TCL/TAL+30	Ammonia	TCL/TAL+30 except VOAs								
Preservatives											

1. HCL 3. HNO_3
2. NaOH 4. H_2SO_4 ENCORE
5. MeOH 6. Other

COOLER TEMP. 4 °C

SAMPLE INFORMATION

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O - Oil X - Other S - Soil
GW - Groundwater SOL - Solid

Sample ID	Sample Depth (in Feet)	Date	Sampling Time	# am	# pm	Matrix	# of Containers	Lab ID	TCL/TAL+30	Ammonia	TCL/TAL+30 except VOAs	Comments/Area of Concern
3Y-2D			9:30			soil	2	1	X	X		
3Y-2E			10:30				2	2		X	X	
3Y-2R			11:00				2	3	X	X		

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or No
Describe:
Conc. Expected: Low Med High

MDL Req:
GWQS or SCC

CUSTODY LOG

Signature/Company	Date	Time	Signature/Company
Relinquished by:	3/3/5		Received by:
Relinquished by:	3/4/05	1:00	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #
1997

Describe
PAGE: 1 OF 1

LAB COPIES - WHITE & YELLOW: CLIENT COPY - PINK

PROJECT INFORMATION

E05-01997

Case No. E05-01997 **Project** 163 RIVER RD. EDGEWATER - 203711

Customer	EWMA - HQ	**P.O. #**	
Contact	Ajay Kathuria	**Received**	3/4/2005 13:00
EMail	ajay.kathuria@ewma.com ☐ EMail EDDs	**Verbal Due**	3/18/2005
Phone	(973) 560-1400 **Fax** 1(973) 560-0400	**Report Due**	3/25/2005

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
01997-001	3Y-2D	n/a	3/4/2005@09:30	Soil	mg/Kg	2
01997-002	3Y-2E	n/a	3/4/2005@10:30	Soil	mg/Kg	1
01997-003	3Y-2R	n/a	3/4/2005@11:00	Soil	mg/Kg	2

Sample #	Tests	Status	QA Method
001	TCL VO+10	Run	8260B
"	TCL BNA+20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Run	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
002	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Run	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
003	TCL VO+10	Run	8260B
"	TCL BNA+20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Run	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014

03/04/2005 14:35 by ELLEN - NOTE 1

VOA collected in Encor to be transferred to Methanol

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E05 01997 CLIENT: NWMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY
✓ = YES/NA
✗ = NO

- ✓ Bottles Intact
- ✓ no-Missing Bottles
- ✓ no-Extra Bottles

- ✓ Sufficient Sample Volume
- ✓ no-headspace/bubbles in VOs
- ✓ Labels intact/correct
- ✓ pH Check (exclude VOs)[1]
- ✓ Correct bottles/preservative
- ✓ Sufficient Holding/Prep Time[1]
- [ ] Sample to be Subcontracted

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS: sampling date?

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 3/4/05

CORRECTIVE ACTION REQUIRED: YES [ ] (SEE BELOW) NO [ ]

CLIENT NOTIFIED: YES [✓] Date/ Time: 3/4/05 1M NO [ ]

PROJECT CONTACT: Ajay

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS: Sample date = 3/4/05

VERIFIED/TAKEN BY: INITIAL JB DATE 3.4.05

REV 02/05

017E

LABORATORY CUSTODY CHRONICLE

Case No. E05-01997

Client EWMA - HQ

Project 163 RIVER RD. EDGEWATER - 203711

			Preparation		Analysis	
			Date / Time	Analyst	Date / Time	Analyst
Department: Volatiles						
TCL VO+10	01997-001	Soil	n/a	n/a	3/9/05	Xing
"	-003	Soil	n/a	n/a	3/9/05	Xing
Department: Semivolatiles						
TCL BNA + 20	01997-002	Soil	3/7/05	Kou-Liang	3/7/05	JC
TCL BNA+20	-001	Soil	3/7/05	Kou-Liang	3/7/05	JC
"	-003	Soil	3/7/05	Kou-Liang	3/7/05	JC
Department: GC						
PCB	01997-001	Soil	3/8/05	Archimede	3/13/05	Maggie
"	-002	Soil	3/8/05	Archimede	3/13/05	Maggie
"	-003	Soil	3/8/05	Archimede	3/13/05	Maggie
TCL Pesticides	01997-001	Soil	3/8/05	Archimede	3/11/05	Mei
"	-002	Soil	3/8/05	Archimede	3/11/05	Mei
"	-003	Soil	3/8/05	Archimede	3/11/05	Mei
Department: Metals						
TAL Metals	01997-001	Soil	3/7/05	Lisa	3/9/05	Helge
"	-002	Soil	3/7/05	Lisa	3/9/05	Helge
"	-003	Soil	3/7/05	Lisa	3/9/05	Helge
Department: Wet Chemistry						
Ammonia	01997-001	Soil	n/a	n/a	3/11/05	Jackie
"	-002	Soil	n/a	n/a	3/11/05	Jackie
"	-003	Soil	n/a	n/a	3/11/05	Jackie
Cyanide, Total	01997-001	Soil	n/a	n/a	3/15/05	Jackie
"	-002	Soil	n/a	n/a	3/15/05	Jackie
"	-003	Soil	n/a	n/a	3/15/05	Jackie

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

March 15, 2005

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **3YL-16B RIVER RD. - 203711**
IAL Case Number: **E05-02014**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-02014

Project Name 3YL-16B RIVER RD. - 203711

Customer EWMA - HQ

Received On 3/4/2005@17:30

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
02014-001	3Y-1A	n/a	3/4/2005@13:00	Soil	2
02014-002	3Y-1B	n/a	3/4/2005@14:00	Soil	2
02014-003	3Y-1C	n/a	3/4/2005@14:30	Soil	2
02014-004	3Y-1R	n/a	3/4/2005@14:15	Soil	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-02014

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

3/21/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E05 - 02014

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		NA
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
	✓		

13. Comments:

Organics Manager

3/14/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E05 - 02014

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
a. B/N Fraction _____		
b. Acid Fraction _____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
_____		
_____		
11. Analysis Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
_____		
_____		
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
✓			

13. Comments:

_____

_____

_____ 3-8-05

Organics Manager Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E05 - 02014

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

3/12/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PESTICIDES

Lab Case Number: E05 - 02014

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

03/10/05
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: Environmental Waste Management Associates, LLC.

Project: 3YL-16B RIVER RD. - 203711

Lab Case No.: E05-02014

Lab ID:	02014-001			02014-002			02014-003			02014-004		
Client ID:	3Y-1A			3Y-1B			3Y-1C			3Y-1R		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	3/4/05			3/4/05			3/4/05			3/4/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
Benzene	ND		0.549	1.55		0.779	ND		0.556	ND		0.787
Toluene	ND		0.549	2.34		1.56	ND		0.556	ND		0.787
Ethylbenzene	ND		0.549	9.42		1.56	ND		0.556	ND		0.787
Total Xylenes	ND		0.549	13.5		1.56	ND		0.556	ND		0.787
TOTAL VO's:	ND			26.8			ND			ND		
TOTAL TIC's:	15.7			471			ND			1.38		
TOTAL VO's & TIC's:	15.7			498			ND			1.38		
Semivolatiles - BNA (mg/Kg-ppm)												
Naphthalene	17.4		2.19	45.4		1.17	0.738		0.117	1.59		0.237
2-Methylnaphthalene	7.18		2.19	14.5		1.17	0.492		0.117	1.07		0.237
Acenaphthylene	2.20		2.19	1.02	J	1.17	ND		0.117	ND		0.237
Acenaphthene	22.7		2.19	26.9		1.17	0.387		0.117	1.06		0.237
Dibenzofuran	11.7		2.19	21.9		1.17	0.418		0.117	1.79		0.237
Fluorene	19.3		2.19	37.9		1.17	0.672		0.117	4.13		0.237
Phenanthrene	219		2.19	175		1.17	2.57		0.117	14.7		0.237
Anthracene	44.4		2.19	165		1.17	3.10		0.117	31.4		0.237
Carbazole	20.5		2.19	46.3		1.17	1.11		0.117	7.91		0.237
Fluoranthene	277		2.19	133		1.17	1.40		0.117	3.45		0.237
Pyrene	174		2.19	77.8		1.17	0.998		0.117	3.53		0.237
Benzo[a]anthracene	121		2.19	37.1		1.17	0.474		0.117	1.22		0.237
Chrysene	142		2.19	41.6		1.17	0.547		0.117	1.55		0.237
bis(2-Ethylhexyl)phthalate	ND		2.19	ND		1.17	ND		0.117	0.155	J	0.237
Benzo[b]fluoranthene	106		2.19	25.3		1.17	0.295		0.117	0.939		0.237
Benzo[k]fluoranthene	80.1		2.19	23.4		1.17	0.301		0.117	0.765		0.237
Benzo[a]pyrene	116		2.19	33.6		1.17	0.397		0.117	1.13		0.237
Indeno[1,2,3-cd]pyrene	48.8		2.19	15.9		1.17	0.184		0.117	0.561		0.237
Dibenz[a,h]anthracene	33.6		2.19	7.71		1.17	ND		0.117	0.301		0.237
Benzo[g,h,i]perylene	44.9		2.19	16.8		1.17	0.189		0.117	0.668		0.237
TOTAL BNA'S:	1510			946	J		14.3			77.9	J	
TOTAL TIC's:	352			136			0.586			1.02		
TOTAL BNA'S & TIC's:	1860			1080	J		14.9			78.9	J	
PCB's (mg/Kg-ppm)												
Aroclor-1016	ND		0.017	ND		0.017	ND		0.018	ND		0.018
Aroclor-1221	ND		0.017	ND		0.017	ND		0.018	ND		0.018
Aroclor-1232	ND		0.017	ND		0.017	ND		0.018	ND		0.018
Aroclor-1242	ND		0.017	ND		0.017	ND		0.018	ND		0.018
Aroclor-1248	ND		0.017	ND		0.017	ND		0.018	ND		0.018
Aroclor-1254	ND		0.017	ND		0.017	ND		0.018	ND		0.018
Aroclor-1260	ND		0.017	ND		0.017	ND		0.018	ND		0.018

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the MDL

All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: Environmental Waste Management Associates, LLC.

Project: 3YL-16B RIVER RD. - 203711

Lab Case No.: E05-02014

	Lab ID:	02014-001			02014-002			02014-003			02014-004		
	Client ID:	3Y-1A			3Y-1B			3Y-1C			3Y-1R		
	Matrix:	Soil			Soil			Soil			Soil		
	Sampled Date	3/4/05			3/4/05			3/4/05			3/4/05		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Pesticides (mg/Kg-ppm)													
alpha-BHC		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
beta-BHC		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
gamma-BHC		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
delta-BHC		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Heptachlor		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Aldrin		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Heptachlor epoxide		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Endosulfan I		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
4,4'-DDE		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Dieldrin		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Endrin		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Endosulfan II		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
4,4'-DDD		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Endrin aldehyde		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Endosulfan sulfate		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
4,4'-DDT		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Endrin ketone		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Methoxychlor		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
alpha-Chlordane		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
gamma-Chlordane		ND		0.00419	ND		0.00435	ND		0.0046	ND		0.0045
Toxaphene		ND		0.021	ND		0.022	ND		0.023	ND		0.023
Metals (mg/Kg-ppm)													
Aluminum		11400		458	4960		12.6	7580		12.0	8520		12.4
Antimony		ND		1.14	ND		1.26	ND		1.20	ND		1.24
Arsenic		18.3		1.14	21.3		1.26	1.80		1.20	ND		1.24
Barium		123		11.4	60.5		12.6	28.6		12.0	ND		12.4
Beryllium		3.45		0.572	ND		0.630	ND		0.600	ND		0.620
Cadmium		0.864		0.286	0.416		0.315	ND		0.300	ND		0.310
Calcium		12100		57.2	7150		63.0	693		60.0	568		62.0
Chromium		62.4		2.29	26.8		2.52	9.97		2.40	9.43		2.48
Cobalt		10.6		2.29	20.4		2.52	5.22		2.40	4.12		2.48
Copper		154		2.29	126		2.52	14.5		2.40	11.4		2.48
Iron		32400		28.6	100000		1260	15200		30.0	13600		31.0
Lead		286		0.572	132		0.630	4.84		0.600	5.42		0.620
Magnesium		5300		57.2	1520		63.0	3160		60.0	3450		62.0
Manganese		459		1.14	742		1.26	189		1.20	108		1.24
Mercury		1.46		0.071	0.638		0.078	0.016		0.015	0.030		0.015
Nickel		46.8		1.14	43.3		1.26	11.7		1.20	12.0		1.24
Potassium		1830		57.2	367		63.0	751		60.0	702		62.0
Selenium		ND		2.29	ND		2.52	ND		2.40	ND		2.48
Silver		ND		0.572	ND		0.630	ND		0.600	ND		0.620
Sodium		478		114	322		126	ND		120	156		124
Thallium		0.425		0.114	0.376		0.126	ND		0.120	ND		0.124
Vanadium		34.0		2.29	47.6		2.52	11.3		2.40	11.2		2.48
Zinc		364		2.29	117		2.52	30.9		2.40	29.6		2.48
General Analytical													
Cyanide, Total(mg/Kg-ppm)		ND		1.14	ND		1.25	ND		1.20	ND		1.23
Ammonia(mg/Kg-ppm)		ND		0.229	0.627		0.249	ND		0.240	ND		0.245

ND = Analyzed for but Not Detected at the MDL

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company EWMA	
Address:	
Telephone #:	
Fax #:	
Project Name: 3YL-16B River Rd	
Project Manager: Ajay Kathuria	
Location of Site (STATE): River edge NJ	
Reference ID#: 203711 PO#:	

REPORTING & BILLING

Fax to:
Fax #:
EMail to:
Report to:
Address:
Invoice to:
Address:

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

	Results needed by:
Conditional / TPHC	
24 hr* 48 hr 72 hr 1 wk NA	
Verbal/Fax	
24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std	
Hard Copy	
72 hr* 1 wk* 2 wk* 3 wk/Std	

Report Format

Results Only
Reduced
Regulatory
SRP Disk**: dbf or wk1
Special Requirements:

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

1 2 3 4 5 6	TCL/TAL+30	Ammonia								
Preservatives										

1. HCL 3. HNO_3
2. NaOH 4. H_2SO_4 ENCORE
5. MeOH 6. Other

COOLER TEMP. 4 °C

SAMPLE INFORMATION

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O - Oil X - Other S - Soil
GW - Groundwater SOL - Solid

Sample ID	Sample Depth (in Feet)	Sampling Date	Sampling Time	# am	# pm	Matrix	# of Containers	Lab ID	Comments/Area of Concern
3Y-1A		3/4/5	1100			Soil	2	1	
3Y-1B			1200					2	
3Y-1C			1330					3	
3Y-1R			2115					4	

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or No
Describe:
Conc. Expected: Low Med High

MDL Req:
GWQS or SCC

CUSTODY LOG

Signature/Company	Date	Time	Signature/Company
Relinquished by:	3/4/5	3:15	Received by:
Relinquished by:	3/4/05	7:50	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #
2014

Describe
PAGE: OF

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

REV 10/04

PROJECT INFORMATION

E05-02014

Case No. E05-02014 **Project** 3YL-16B RIVER RD. - 203711

Customer EWMA - HQ

Contact Ajay Kathuria
EMail ajay.kathuria@ewma.com ☐ EMail EDDs
Phone (973) 560-1400 **Fax** 1(973) 560-0400

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

P.O. #

Received 3/4/2005 17:30
Verbal Due 3/21/2005
Report Due 3/28/2005

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
02014-001	3Y-1A	n/a	3/4/2005@13:00	Soil	mg/Kg	2
02014-002	3Y-1B	n/a	3/4/2005@14:00	Soil	mg/Kg	2
02014-003	3Y-1C	n/a	3/4/2005@14:30	Soil	mg/Kg	2
02014-004	3Y-1R	n/a	3/4/2005@14:15	Soil	mg/Kg	2

Sample #	Tests	Status	QA Method
001	TCL VO+10	Run	8260B
"	TCL BNA+20	Complete	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	In Process	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
002	TCL VO+10	Run	8260B
"	TCL BNA+20	Complete	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	In Process	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
003	TCL VO+10	Run	8260B
"	TCL BNA+20	Complete	8270C
"	PCB	Run	8082
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"	TAL Metals	In Process	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
004	TCL VO+10	Run	8260B
"	TCL BNA+20	Complete	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	In Process	6020/7471A
"	Ammonia	Run	350.2 M

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

PROJECT INFORMATION

Case No. E05-02014 **Project** 3YL-16B RIVER RD. - 203711

Sample #	Tests	Status	QA Method
	Cyanide, Total	Run	9014

03/07/2005 09:57 by ELLEN - NOTE 1

VOA collected in Encor to be transferred to Methanol

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E05** **02014** CLIENT: KWMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY
✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 3/4/05

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL JB DATE 3.7.05

REV 02/05

LABORATORY CUSTODY CHRONICLE

Case No. E05-02014

Client EWMA - HQ

Project 3YL-16B RIVER RD. - 203711

			Preparation		Analysis	
			Date / Time	Analyst	Date / Time	Analyst
Department: Volatiles						
TCL VO+10 - MeOH Preserved	02014-001	Soil	n/a	n/a	3/15/05	Xing
"	-002	Soil	n/a	n/a	3/15/05	Xing
"	-003	Soil	n/a	n/a	3/15/05	Xing
"	-004	Soil	n/a	n/a	3/15/05	Xing
Department: Semivolatiles						
TCL BNA+20	02014-001	Soil	3/7/05	Kou-Liang	3/7/05	JC
"	-002	Soil	3/7/05	Kou-Liang	3/7/05	JC
"	-003	Soil	3/7/05	Kou-Liang	3/7/05	JC
"	-004	Soil	3/7/05	Kou-Liang	3/7/05	JC
Department: GC						
PCB	02014-001	Soil	3/8/05	Archimede	3/13/05	Maggie
"	-002	Soil	3/8/05	Archimede	3/13/05	Maggie
"	-003	Soil	3/8/05	Archimede	3/13/05	Maggie
"	-004	Soil	3/8/05	Archimede	3/13/05	Maggie
TCL Pesticides	02014-001	Soil	3/8/05	Archimede	3/11/05	Mei
"	-002	Soil	3/8/05	Archimede	3/11/05	Mei
"	-003	Soil	3/8/05	Archimede	3/11/05	Mei
"	-004	Soil	3/8/05	Archimede	3/11/05	Mei
Department: Metals						
TAL Metals	02014-001	Soil	3/7/05	Lisa	3/9/05	Helge
"	-002	Soil	3/7/05	Lisa	3/9/05	Helge
"	-003	Soil	3/7/05	Lisa	3/9/05	Helge
"	-004	Soil	3/7/05	Lisa	3/9/05	Helge
Department: Wet Chemistry						
Ammonia	02014-001	Soil	n/a	n/a	3/11/05	Jackie
"	-002	Soil	n/a	n/a	3/11/05	Jackie
"	-003	Soil	n/a	n/a	3/11/05	Jackie
"	-004	Soil	n/a	n/a	3/11/05	Jackie
Cyanide, Total	02014-001	Soil	n/a	n/a	3/15/05	Jackie
"	-002	Soil	n/a	n/a	3/15/05	Jackie
"	-003	Soil	n/a	n/a	3/15/05	Jackie
"	-004	Soil	n/a	n/a	3/15/05	Jackie

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

March 16, 2005

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **3YL-ASSOC/163 RIVER RD - 203711**
IAL Case Number: **E05-02111**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-02111

Project Name 3YL-ASSOC/163 RIVER RD - 203711

Customer EWMA - HQ

Received On 3/8/2005@18:30

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
02111-001	3Y-1D	n/a	3/7/2005@10:00	Soil	2
02111-002	3Y-3A	n/a	3/7/2005@13:30	Soil	2
02111-003	3Y-3B	n/a	3/7/2005@14:00	Soil	2
02111-004	3Y-3C	n/a	3/7/2005@15:30	Soil	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E05 - 02111

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	--
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

3/16/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E05-02111

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		✓
3.	Serial Dilution Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

H. Falek-Jorgensen
Inorganic Manager

March 10, 2005
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: Environmental Waste Management Associates, LLC.

Project: 3YL-ASSOC/163 RIVER RD - 203711

Lab Case No.: E05-02111

Lab ID:	02111-001			02111-002			02111-003			02111-004		
Client ID:	3Y-1D			3Y-3A			3Y-3B			3Y-3C		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date:	3/7/05			3/7/05			3/7/05			3/7/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
Benzene	ND		0.568	1.11		0.647	0.754	J	0.782	ND		0.573
Toluene	ND		0.568	0.200	J	0.647	ND		0.782	ND		0.573
Ethylbenzene	ND		0.568	0.289	J	0.647	0.344	J	0.782	ND		0.573
Total Xylenes	ND		0.568	0.264	J	0.647	0.185	J	0.782	ND		0.573
TOTAL VO's:	ND			1.86	J		1.28	J		ND		
TOTAL TIC's:	ND			0.880			29.2			0.585		
TOTAL VO's & TIC's:	ND			2.74	J		30.5	J		0.585		
Semivolatiles - BNA (mg/Kg-ppm)												
Naphthalene	ND		0.236	9.10		0.476	117		2.56	ND		0.243
2-Methylnaphthalene	ND		0.236	3.10		0.476	24.0		2.56	ND		0.243
Acenaphthylene	ND		0.236	2.77		0.476	4.60		2.56	ND		0.243
Acenaphthene	ND		0.236	4.53		0.476	46.5		2.56	ND		0.243
Dibenzofuran	ND		0.236	3.71		0.476	30.5		2.56	ND		0.243
Fluorene	ND		0.236	3.83		0.476	38.1		2.56	ND		0.243
Phenanthrene	ND		0.236	28.3		0.476	193		2.56	ND		0.243
Anthracene	ND		0.236	9.38		0.476	34.5		2.56	ND		0.243
Carbazole	ND		0.236	2.56		0.476	15.4		2.56	ND		0.243
Di-n-butylphthalate	ND		0.236	0.293	J	0.476	ND		2.56	ND		0.243
Fluoranthene	ND		0.236	62.6		0.476	175		2.56	ND		0.243
Pyrene	ND		0.236	45.9		0.476	127		2.56	ND		0.243
Benzo[a]anthracene	ND		0.236	30.5		0.476	65.2		2.56	ND		0.243
Chrysene	ND		0.236	37.1		0.476	73.9		2.56	ND		0.243
Benzo[b]fluoranthene	ND		0.236	27.8		0.476	46.2		2.56	ND		0.243
Benzo[k]fluoranthene	ND		0.236	27.8		0.476	38.3		2.56	ND		0.243
Benzo[a]pyrene	ND		0.236	32.4		0.476	55.9		2.56	ND		0.243
Indeno[1,2,3-cd]pyrene	ND		0.236	16.8		0.476	24.3		2.56	ND		0.243
Dibenz[a,h]anthracene	ND		0.236	10.0		0.476	12.1		2.56	ND		0.243
Benzo[g,h,i]perylene	ND		0.236	16.5		0.476	23.5		2.56	ND		0.243
TOTAL BNA'S:	ND			375	J		1150			ND		
TOTAL TIC's:	ND			71.5			70.7			ND		
TOTAL BNA'S & TIC's:	ND			447	J		1220			ND		
PCB's (mg/Kg-ppm)												
Aroclor-1016	ND		0.016	ND		0.018	ND		0.019	ND		0.018
Aroclor-1221	ND		0.016	ND		0.018	ND		0.019	ND		0.018
Aroclor-1232	ND		0.016	ND		0.018	ND		0.019	ND		0.018
Aroclor-1242	ND		0.016	ND		0.018	ND		0.019	ND		0.018
Aroclor-1248	ND		0.016	ND		0.018	ND		0.019	ND		0.018
Aroclor-1254	ND		0.016	ND		0.018	ND		0.019	ND		0.018
Aroclor-1260	ND		0.016	ND		0.018	ND		0.019	ND		0.018

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the MDL

All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: Environmental Waste Management Associates, LLC.

Project: 3YL-ASSOC/163 RIVER RD - 203711

Lab Case No.: E05-02111

Lab ID:	02111-001			02111-002			02111-003			02111-004		
Client ID:	3Y-1D			3Y-3A			3Y-3B			3Y-3C		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	3/7/05			3/7/05			3/7/05			3/7/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Pesticides (mg/Kg-ppm)												
alpha-BHC	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
beta-BHC	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
gamma-BHC	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
delta-BHC	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Heptachlor	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Aldrin	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Heptachlor epoxide	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Endosulfan I	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
4,4'-DDE	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Dieldrin	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Endrin	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Endosulfan II	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
4,4'-DDD	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Endrin aldehyde	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Endosulfan sulfate	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
4,4'-DDT	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Endrin ketone	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Methoxychlor	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
alpha-Chlordane	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
gamma-Chlordane	ND		0.00396	ND		0.00442	ND		0.00468	ND		0.00449
Toxaphene	ND		0.020	ND		0.022	ND		0.023	ND		0.023
Metals (mg/Kg-ppm)												
Aluminum	3560		11.7	5830		11.8	2140		12.8	7630		12.2
Antimony	ND		1.17	ND		1.18	ND		1.28	ND		1.22
Arsenic	ND		1.17	16.9		1.18	5.04		1.28	3.27		1.22
Barium	14.6		11.7	60.9		11.8	27.8		12.8	44.0		12.2
Beryllium	ND		0.585	ND		0.590	ND		0.640	ND		0.608
Cadmium	ND		0.293	0.567		0.295	ND		0.320	0.410		0.304
Calcium	2600		58.5	4070		59.0	13900		64.0	880		60.8
Chromium	6.42		2.34	15.9		2.36	8.46		2.56	12.5		2.43
Cobalt	2.78		2.34	6.63		2.36	2.96		2.56	15.3		2.43
Copper	6.61		2.34	175		2.36	17.9		2.56	14.6		2.43
Iron	5930		29.3	21600		29.5	5940		32.0	14200		30.4
Lead	2.59		0.585	287		0.590	31.8		0.640	8.14		0.608
Magnesium	2800		58.5	1440		59.0	716		64.0	3510		60.8
Manganese	149		1.17	140		1.18	73.1		1.28	123		1.22
Mercury	ND		0.015	0.357		0.015	0.231		0.016	0.020		0.015
Nickel	6.00		1.17	19.5		1.18	7.63		1.28	16.0		1.22
Potassium	968		58.5	476		59.0	211		64.0	870		60.8
Selenium	ND		2.34	ND		2.36	ND		2.56	ND		2.43
Silver	ND		0.585	ND		0.590	ND		0.640	ND		0.608
Sodium	150		117	672		118	230		128	150		122
Thallium	ND		0.117	0.403		0.118	0.155		0.128	ND		0.122
Vanadium	9.06		2.34	19.3		2.36	7.42		2.56	14.6		2.43
Zinc	17.0		2.34	184		2.36	25.1		2.56	41.2		2.43
General Analytical												
Cyanide, Total(mg/Kg-ppm)	ND		1.18	ND		1.19	4.73		1.28	ND		1.22
Ammonia(mg/Kg-ppm)	ND		0.236	ND		0.238	ND		0.256	0.263		0.243

ND = Analyzed for but Not Detected at the MDL

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company: EWMA	
Address:	
Telephone #:	
Fax #:	
Project Name: 3Y-4sscc/163 River Rd	
Project Manager: Ajay Kathuria	
Location of Site (STATE): Edgewater NJ	
Reference ID#: 203 711 PO#:	

REPORTING & BILLING

Fax to:	
Fax #:	
EMail to:	
Report to:	
Address:	
Invoice to:	
Address:	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

Results needed by:

Conditional / TPHC
24 hr* 48 hr 72 hr 1 wk NA

Verbal/Fax
24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std

Hard Copy
72 hr* 1 wk* 2 wk* 3 wk/Std

Report Format
Results Only
Reduced
Regulatory
SRP Disk**: dbf or wk1
Special Requirements:

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

Preservatives
1. HCL 3. HNO_3
2. NaOH 4. H_2SO_4 ENCORE
5. MeOH 6. Other

COOLER TEMP. 4 °C

SAMPLE INFORMATION

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O - Oil X - Other S - Soil
GW - Groundwater SOL - Solid

Sample ID	Sample Depth (in Feet)	Sampling Date	Sampling Time	# am	# pm	Matrix	# of Containers	Lab ID	TCL/TAL +30	Ammonia	Comments/Area of Concern
3Y-1D		3/7/5	10:00			Soil	2	1			
3Y-3A			1:30					2			
3Y-3B			2:00					3			
3Y-3C			3:30					4			

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or No
Describe:
Conc. Expected: Low Med High

MDL Req:
GWQS or SCC

CUSTODY LOG

Signature/Company	Date	Time	Signature/Company
Relinquished by:	3/8/05	8:40	Received by:
Relinquished by:	3/8/05	6:30	Received by: (FAX)
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #
2111

Describe

PAGE: OF

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

PROJECT INFORMATION

E 0 5 - 0 2 1 1 1

Case No. E05-02111 **Project** 3YL-ASSOC/163 RIVER RD - 203711

Customer	EWMA - HQ	**P.O. #**	
Contact	Ajay Kathuria	**Received**	3/8/2005 18:30
EMail	ajay.kathuria@ewma.com ☐ EMail EDDs	**Verbal Due**	3/23/2005
Phone	(973) 560-1400 **Fax** 1(973) 560-0400	**Report Due**	3/30/2005

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
02111-001	3Y-1D	n/a	3/7/2005@10:00	Soil	mg/Kg	2
02111-002	3Y-3A	n/a	3/7/2005@13:30	Soil	mg/Kg	2
02111-003	3Y-3B	n/a	3/7/2005@14:00	Soil	mg/Kg	2
02111-004	3Y-3C	n/a	3/7/2005@15:30	Soil	mg/Kg	2

Sample #	Tests	Status	QA Method
001	TCL VO+10	Run	8260B
"	TCL BNA+20	In Process	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
002	TCL VO+10	Run	8260B
"	TCL BNA+20	In Process	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
003	TCL VO+10	Run	8260B
"	TCL BNA+20	In Process	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/7471A
"	Ammonia	Run	350.2 M
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004	TCL VO+10	Run	8260B
"	TCL BNA+20	In Process	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/7471A
"	Ammonia	Run	350.2 M

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

March 10, 2005

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E05** **02111** CLIENT: ICWMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = YES/NA
✗ = NO

✓	Bottles Intact
✓	no-Missing Bottles
✓	no-Extra Bottles

✓	Sufficient Sample Volume
✓	no-headspace/bubbles in VOs
✓	Labels intact/correct
✓	pH Check (exclude VOs)[1]
✓	Correct bottles/preservative
✓	Sufficient Holding/Prep Time[1]
☐	Sample to be Subcontracted

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [initials] DATE 3/8/05

CORRECTIVE ACTION REQUIRED: **YES** ☐ (SEE BELOW) **NO** ☐

CLIENT NOTIFIED: YES ☐ Date/ Time: _____ NO ☐

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL JB DATE 3.9.05

REV 02/05

LABORATORY CUSTODY CHRONICLE

Case No. E05-02111

Client EWMA - HQ

Project 3YL-ASSOC/163 RIVER RD - 203711

			Preparation Date / Time	Analyst	Analysis Date / Time	Analyst
Department: Volatiles						
TCL VO+10 - MeOH Preserved	02111-001	Soil	n/a	n/a	3/15/05	Xing
"	-002	Soil	n/a	n/a	3/15/05	Xing
"	-003	Soil	n/a	n/a	3/15/05	Xing
"	-004	Soil	n/a	n/a	3/15/05	Xing
Department: Semivolatiles						
TCL BNA+20	02111-001	Soil	3/11/05	Kou-Liang	3/15/05	JC
"	-002	Soil	3/11/05	Kou-Liang	3/15/05	JC
"	-003	Soil	3/11/05	Kou-Liang	3/15/05	JC
"	-004	Soil	3/11/05	Kou-Liang	3/15/05	JC
Department: GC						
PCB	02111-001	Soil	3/10/05	Archimede	3/16/05	Maggie
"	-002	Soil	3/10/05	Archimede	3/16/05	Maggie
"	-003	Soil	3/10/05	Archimede	3/16/05	Maggie
"	-004	Soil	3/10/05	Archimede	3/16/05	Maggie
TCL Pesticides	02111-001	Soil	3/10/05	Archimede	3/16/05	Mei
"	-002	Soil	3/10/05	Archimede	3/16/05	Mei
"	-003	Soil	3/10/05	Archimede	3/16/05	Mei
"	-004	Soil	3/10/05	Archimede	3/16/05	Mei
Department: Metals						
TAL Metals	02111-001	Soil	3/9/05	Lisa	3/21/05	Helge
"	-002	Soil	3/9/05	Lisa	3/21/05	Helge
"	-003	Soil	3/9/05	Lisa	3/21/05	Helge
"	-004	Soil	3/9/05	Lisa	3/21/05	Helge
Department: Wet Chemistry						
Ammonia	02111-001	Soil	n/a	n/a	3/21/05	Jackie
"	-002	Soil	n/a	n/a	3/21/05	Jackie
"	-003	Soil	n/a	n/a	3/21/05	Jackie
"	-004	Soil	n/a	n/a	3/21/05	Jackie
Cyanide, Total	02111-001	Soil	n/a	n/a	3/18/05	Jackie
"	-002	Soil	n/a	n/a	3/18/05	Jackie
"	-003	Soil	n/a	n/a	3/18/05	Jackie
"	-004	Soil	n/a	n/a	3/18/05	Jackie

Review and Approval: Andyngueyen

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

March 23, 2005

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **163 RIVER RD. EDGEWATER NJ - 203711**
IAL Case Number: **E05-02152**

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-02152

Project Name 163 RIVER RD. EDGEWATER NJ - 203711

Customer EWMA - HQ

Received On 3/9/2005@13:00

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
02152-001	3Y-3D	n/a	3/8/2005@09:30	Soil	2
02152-002	3Y-5A	n/a	3/8/2005@11:00	Soil	2
02152-003	3Y-5B	n/a	3/8/2005@11:30	Soil	2
02152-004	3Y-5C	n/a	3/8/2005@13:00	Soil	2
02152-005	3Y-5D	n/a	3/8/2005@15:00	Soil	2
02152-006	3Y-5R	n/a	3/8/2005@14:00	Soil	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received six (6) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: 163 RIVER RD. EDGEWATER NJ - 203711) on March 9, 2005 for the analysis of:

(6) TCL VO+10
(6) TCL BNA+20
(6) PCB
(6) TCL Pesticides
(6) TAL Metals
(6) Ammonia
(6) Cyanide, Total

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

3/23/05
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-02152

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

3/23/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E05- 02152

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		NA
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

3/10/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E05 - 02152

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
a. B/N Fraction _____		
b. Acid Fraction _____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
_____		
_____		
11. Analysis Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
_____		
_____		
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
✓			

13. Comments:

_____

_____

_____ 3-17-05

Organics Manager — Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E05 - 0752

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	Standards Summary submitted.		✓
3.	Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5.	Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7.	Retention Time Shift Meet Criteria (if applicable).		✓
8.	Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

3/14/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PESTICIDES

Lab Case Number: E05 - 02152

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

03/14/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E05-02152

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		✓
3.	Serial Dilution Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

H. Falek-Jorgensen
Inorganic Manager

March 11, 2005
Date

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER RD. EDGEWATER NJ - 203711
Lab Case No.: E05-02152

Lab ID:	02152-001			02152-002			02152-003			02152-004		
Client ID:	3Y-3D			3Y-5A			3Y-5B			3Y-5C		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	3/8/05			3/8/05			3/8/05			3/8/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
Total Xylenes	ND		0.602	ND		0.723	0.696	J	0.865	ND		0.681
TOTAL VO's:	ND			ND			0.696	J		ND		
TOTAL TIC's:	ND			ND			38.9			ND		
TOTAL VO's & TIC's:	ND			ND			39.6	J		ND		
Semivolatiles - BNA (mg/Kg-ppm)												
Naphthalene	ND		0.122	ND		0.105	5.58		1.69	1.04		0.443
2-Methylnaphthalene	ND		0.122	ND		0.105	1.98		1.69	ND		0.443
Acenaphthylene	ND		0.122	0.115		0.105	3.48		1.69	ND		0.443
Acenaphthene	ND		0.122	0.097	J	0.105	11.2		1.69	0.496		0.443
Dibenzofuran	ND		0.122	ND		0.105	7.88		1.69	0.339	J	0.443
Fluorene	ND		0.122	ND		0.105	16.1		1.69	0.451		0.443
Phenanthrene	ND		0.122	0.839		0.105	106		1.69	2.62		0.443
Anthracene	ND		0.122	0.287		0.105	42.6		1.69	0.732		0.443
Carbazole	ND		0.122	0.088	J	0.105	3.04		1.69	ND		0.443
Fluoranthene	ND		0.122	2.47		0.105	118		1.69	2.10		0.443
Pyrene	ND		0.122	2.88		0.105	115		1.69	2.16		0.443
Butylbenzylphthalate	ND		0.122	7.61		0.105	ND		1.69	ND		0.443
Benzo[a]anthracene	ND		0.122	1.60		0.105	42.6		1.69	0.926		0.443
Chrysene	ND		0.122	2.15		0.105	43.0		1.69	1.02		0.443
bis(2-Ethylhexyl)phthalate	ND		0.122	0.577		0.105	ND		1.69	ND		0.443
Benzo[b]fluoranthene	ND		0.122	1.55		0.105	26.1		1.69	0.605		0.443
Benzo[k]fluoranthene	ND		0.122	1.57		0.105	20.9		1.69	0.450		0.443
Benzo[a]pyrene	ND		0.122	1.84		0.105	33.2		1.69	0.746		0.443
Indeno[1,2,3-cd]pyrene	ND		0.122	1.17		0.105	15.7		1.69	0.389	J	0.443
Dibenz[a,h]anthracene	ND		0.122	0.677		0.105	6.86		1.69	ND		0.443
Benzo[g,h,i]perylene	ND		0.122	1.37		0.105	17.2		1.69	0.405	J	0.443
TOTAL BNA'S:	ND			26.9	J		636			14.5	J	
TOTAL TIC's:	ND			4.96			37.1			4.51		
TOTAL BNA'S & TIC's:	ND			31.9	J		673			19.0	J	
PCB's (mg/Kg-ppm)												
Aroclor-1016	ND		0.018	ND		0.015	ND		0.023	ND		0.034
Aroclor-1221	ND		0.018	ND		0.015	ND		0.023	ND		0.034
Aroclor-1232	ND		0.018	ND		0.015	ND		0.023	ND		0.034
Aroclor-1242	ND		0.018	ND		0.015	ND		0.023	ND		0.034
Aroclor-1248	ND		0.018	ND		0.015	ND		0.023	ND		0.034
Aroclor-1254	ND		0.018	ND		0.015	ND		0.023	ND		0.034
Aroclor-1260	ND		0.018	ND		0.015	ND		0.023	ND		0.034

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER RD. EDGEWATER NJ - 203711
Lab Case No.: E05-02152

Lab ID:	02152-001			02152-002			02152-003			02152-004		
Client ID:	3Y-3D			3Y-5A			3Y-5B			3Y-5C		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	3/8/05			3/8/05			3/8/05			3/8/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Pesticides (mg/Kg-ppm)												
alpha-BHC	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
beta-BHC	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
gamma-BHC	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
delta-BHC	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Heptachlor	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Aldrin	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Heptachlor epoxide	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Endosulfan I	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
4,4'-DDE	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Dieldrin	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Endrin	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Endosulfan II	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
4,4'-DDD	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Endrin aldehyde	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Endosulfan sulfate	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
4,4'-DDT	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Endrin ketone	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Methoxychlor	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
alpha-Chlordane	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
gamma-Chlordane	ND		0.00461	ND		0.00368	ND		0.00578	ND		0.00852
Toxaphene	ND		0.023	ND		0.018	ND		0.029	ND		0.043
Metals (mg/Kg-ppm)												
Aluminum	12100		12.4	13200		268	1540		17.2	8750		23.0
Antimony	ND		1.24	ND		1.07	ND		1.72	ND		2.30
Arsenic	8.51		1.24	3.50		1.07	2.84		1.72	5.49		2.30
Barium	79.9		12.4	32.8		10.7	30.5		17.2	ND		23.0
Beryllium	1.03		0.618	ND		0.535	ND		0.858	ND		1.15
Cadmium	0.490		0.309	ND		0.268	ND		0.429	ND		0.575
Calcium	4860		61.8	6010		53.5	261000		2150	2740		115
Chromium	21.5		2.47	16.2		2.14	5.28		3.43	16.3		4.60
Cobalt	14.8		2.47	8.02		2.14	ND		3.43	7.63		4.60
Copper	42.6		2.47	38.7		2.14	ND		3.43	8.19		4.60
Iron	18900		30.9	13800		26.8	1340		42.9	16400		57.5
Lead	42.7		0.618	24.4		0.535	32.1		0.858	7.12		1.15
Magnesium	8490		61.8	4820		53.5	4250		85.8	3400		115
Manganese	590		1.24	256		1.07	27.6		1.72	149		2.30
Mercury	ND		0.016	0.056		0.014	0.316		0.022	0.034		0.029
Nickel	25.0		1.24	18.8		1.07	4.01		1.72	14.8		2.30
Potassium	3100		61.8	457		53.5	ND		85.8	1610		115
Selenium	ND		2.47	ND		2.14	ND		3.43	ND		4.60
Silver	ND		0.618	ND		0.535	ND		0.858	ND		1.15
Sodium	728		124	972		107	ND		172	1290		230
Thallium	0.453		0.124	ND		0.107	ND		0.172	ND		0.230
Vanadium	38.8		2.47	22.2		2.14	4.92		3.43	19.7		4.60
Zinc	170		2.47	37.2		2.14	8.00		3.43	37.8		4.60
General Analytical												
Cyanide, Total(mg/Kg-ppm)	ND		1.25	ND		1.07	282		17.3	3.62		2.29
Ammonia(mg/Kg-ppm)	0.300		0.250	0.556		0.214	ND		0.346	2.16		0.458

ND = Analyzed for but Not Detected at the MDL

SUMMARY REPORT

Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER RD. EDGEWATER NJ - 203711
Lab Case No.: E05-02152

Lab ID:	02152-005			02152-006		
Client ID:	3Y-5D			3Y-5R		
Matrix:	Soil			Soil		
Sampled Date	3/8/05			3/8/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)						
TOTAL VO's:	ND		0.588	ND		0.581
TOTAL TIC's:	ND			ND		
TOTAL VO's & TIC's:	ND			ND		
Semivolatiles - BNA (mg/Kg-ppm)						
Naphthalene	0.275		0.118	0.437		0.198
2-Methylnaphthalene	0.121		0.118	0.132	J	0.198
Acenaphthene	0.252		0.118	0.338		0.198
Dibenzofuran	0.181		0.118	0.228		0.198
Fluorene	0.298		0.118	0.301		0.198
Phenanthrene	1.56		0.118	1.70		0.198
Anthracene	0.472		0.118	0.371		0.198
Carbazole	0.121		0.118	0.183	J	0.198
Fluoranthene	1.28		0.118	1.10		0.198
Pyrene	1.23		0.118	1.13		0.198
Benzo[a]anthracene	0.525		0.118	0.425		0.198
Chrysene	0.528		0.118	0.479		0.198
Benzo[b]fluoranthene	0.234		0.118	0.210		0.198
Benzo[k]fluoranthene	0.364		0.118	0.302		0.198
Benzo[a]pyrene	0.405		0.118	0.347		0.198
Indeno[1,2,3-cd]pyrene	0.211		0.118	0.154	J	0.198
Dibenz[a,h]anthracene	0.090	J	0.118	ND		0.198
Benzo[g,h,i]perylene	0.244		0.118	0.174	J	0.198
TOTAL BNA'S:	8.39	J		8.01	J	
TOTAL TIC's:	ND			16.2		
TOTAL BNA'S & TIC's:	8.39	J		24.2	J	
PCB's (mg/Kg-ppm)						
Aroclor-1016	ND		0.017	ND		0.032
Aroclor-1221	ND		0.017	ND		0.032
Aroclor-1232	ND		0.017	ND		0.032
Aroclor-1242	ND		0.017	ND		0.032
Aroclor-1248	ND		0.017	ND		0.032
Aroclor-1254	ND		0.017	ND		0.032
Aroclor-1260	ND		0.017	ND		0.032

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the MDL

All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER RD. EDGEWATER NJ - 203711
Lab Case No.: E05-02152

Lab ID:	02152-005			02152-006		
Client ID:	3Y-5D			3Y-5R		
Matrix:	Soil			Soil		
Sampled Date	3/8/05			3/8/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
Pesticides (mg/Kg-ppm)						
alpha-BHC	ND		0.00419	ND		0.00791
beta-BHC	ND		0.00419	ND		0.00791
gamma-BHC	ND		0.00419	ND		0.00791
delta-BHC	ND		0.00419	ND		0.00791
Heptachlor	ND		0.00419	ND		0.00791
Aldrin	ND		0.00419	ND		0.00791
Heptachlor epoxide	ND		0.00419	ND		0.00791
Endosulfan I	ND		0.00419	ND		0.00791
4,4'-DDE	ND		0.00419	ND		0.00791
Dieldrin	ND		0.00419	ND		0.00791
Endrin	ND		0.00419	ND		0.00791
Endosulfan II	ND		0.00419	ND		0.00791
4,4'-DDD	ND		0.00419	ND		0.00791
Endrin aldehyde	ND		0.00419	ND		0.00791
Endosulfan sulfate	ND		0.00419	ND		0.00791
4,4'-DDT	ND		0.00419	ND		0.00791
Endrin ketone	ND		0.00419	ND		0.00791
Methoxychlor	ND		0.00419	ND		0.00791
alpha-Chlordane	ND		0.00419	ND		0.00791
gamma-Chlordane	ND		0.00419	ND		0.00791
Toxaphene	ND		0.021	ND		0.040
Metals (mg/Kg-ppm)						
Aluminum	7330		12.0	9510		20.3
Antimony	ND		1.20	ND		2.03
Arsenic	3.09		1.20	2.07		2.03
Barium	62.8		12.0	21.6		20.3
Beryllium	ND		0.600	ND		1.02
Cadmium	0.427		0.300	ND		0.508
Calcium	3000		60.0	1320		102
Chromium	22.3		2.40	17.0		4.06
Cobalt	4.91		2.40	5.25		4.06
Copper	14.3		2.40	11.0		4.06
Iron	11400		30.0	13400		50.8
Lead	8.07		0.600	6.23		1.02
Magnesium	5200		60.0	3440		102
Manganese	373		1.20	156		2.03
Mercury	ND		0.015	0.030		0.025
Nickel	10.7		1.20	14.1		2.03
Potassium	3500		60.0	1470		102
Selenium	ND		2.40	ND		4.06
Silver	ND		0.600	ND		1.02
Sodium	477		120	1160		203
Thallium	0.149		0.120	ND		0.203
Vanadium	27.9		2.40	18.1		4.06
Zinc	35.3		2.40	35.5		4.06
General Analytical						
Cyanide, Total(mg/Kg-ppm)	ND		1.20	ND		2.04
Ammonia(mg/Kg-ppm)	ND		0.240	1.53		0.409

ND = Analyzed for but Not Detected at the MDL

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company EWMA	
Address:	
Telephone #:	
Fax #:	
Project Name:	
Project Manager: Ajay Kathuria	
Location of Site (STATE): 163 River Rd, Edgewater NJ	
Reference ID#: 203711 PO#:	

REPORTING & BILLING

Fax to:
Fax #:
EMail to:
Report to:
Address:
Invoice to:
Address:

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

Conditional / TPHC — Results needed by:
24 hr* 48 hr 72 hr 1 wk NA

Verbal/Fax
24 hr* 48 hr* 72 hr* 1 wk* (2 wk/Std)

Hard Copy
72 hr* 1 wk* 2 wk* (3 wk/Std)

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

Report Format
Results Only
(Reduced)
Regulatory
SRP Disk**: dbf or wk1
Special Requirements:

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

1 2 3 4 5 6	TCL/TAL+30	Ammonia

Preservatives
1. HCL 3. HNO_3
2. NaOH 4. H_2SO_4
5. MeOH 6. Other ENCORE

4 COOLER TEMP. °C

SAMPLE INFORMATION

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O - Oil X - Other S - Soil
GW - Groundwater SOL - Solid

Sample ID	Sample Depth (in Feet)	Sampling Date	Sampling Time	# am	# pm	Matrix	# of Containers	Lab ID	Comments/Area of Concern
3Y-3D		3/8/5	930			Soil	2	1	
3Y-5A		11[illegible]	11[illegible]					2	
3Y-5B		11[illegible]	11[illegible]					3	
3Y-5C		1[illegible]	1[illegible]					4	
3Y-5D		3[illegible]	3[illegible]					5	
3Y-5R		2[illegible]	2[illegible]					6	

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or (No)
Describe:
Conc. Expected: (Low) Med High

MDL Req:
GWQS or SCC

CUSTODY LOG

Signature/Company	Date	Time	Signature/Company
Relinquished by:	3/9/05	9:52	Received by:
Relinquished by:	3/9/05	1:00	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #
2102

Describe
PAGE: OF

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

REV 12/04

PROJECT INFORMATION

E05-02152

Case No. E05-02152 **Project** 163 RIVER RD. EDGEWATER NJ - 203711

Customer	EWMA - HQ	**P.O. #**	
Contact	Ajay Kathuria	**Received**	3/9/2005 13:00
EMail	ajay.kathuria@ewma.com ☐ EMail EDDs	**Verbal Due**	3/23/2005
Phone	(973) 560-1400 **Fax** 1(973) 560-0400	**Report Due**	3/30/2005

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
02152-001	3Y-3D	n/a	3/8/2005@09:30	Soil	mg/Kg	2
02152-002	3Y-5A	n/a	3/8/2005@11:00	Soil	mg/Kg	2
02152-003	3Y-5B	n/a	3/8/2005@11:30	Soil	mg/Kg	2
02152-004	3Y-5C	n/a	3/8/2005@13:00	Soil	mg/Kg	2
02152-005	3Y-5D	n/a	3/8/2005@15:00	Soil	mg/Kg	2
02152-006	3Y-5R	n/a	3/8/2005@14:00	Soil	mg/Kg	2

Sample #	Tests	Status	QA Method
001	TCL VO+10	Run	8260B
"	TCL BNA+20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Run	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
002	TCL VO+10	Run	8260B
"	TCL BNA+20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Run	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
003	TCL VO+10	Run	8260B
"	TCL BNA+20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Run	6020/7471A
"	Ammonia	Run	350.2 M
"	Cyanide, Total	Run	9014
004	TCL VO+10	Run	8260B
"	TCL BNA+20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A

tegrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

0290

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E05** **02152** CLIENT: EWMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 3/9/05

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [ ] DATE [ ]

REV 02/05

LABORATORY CUSTODY CHRONICLE

Case No. E05-02152

Client EWMA - HQ

Project 163 RIVER RD. EDGEWATER NJ - 203711

			Preparation		Analysis	
			Date / Time	Analyst	Date / Time	Analyst
Department: Volatiles						
TCL VO+10 - MeOH Preserved	02152-001	Soil	n/a	n/a	3/15/05	Xing
"	-002	Soil	n/a	n/a	3/15/05	Xing
"	-003	Soil	n/a	n/a	3/15/05	Xing
"	-004	Soil	n/a	n/a	3/15/05	Xing
"	-005	Soil	n/a	n/a	3/15/05	Xing
"	-006	Soil	n/a	n/a	3/15/05	Xing
Department: Semivolatiles						
TCL BNA+20	02152-001	Soil	3/14/05	Kou-Liang	3/17/05	JC
"	-002	Soil	3/14/05	Kou-Liang	3/17/05	JC
"	-003	Soil	3/14/05	Kou-Liang	3/17/05	JC
"	-004	Soil	3/14/05	Kou-Liang	3/17/05	JC
"	-005	Soil	3/14/05	Kou-Liang	3/17/05	JC
"	-006	Soil	3/14/05	Kou-Liang	3/17/05	JC
Department: GC						
PCB	02152-001	Soil	3/10/05	Archimede	3/14/05	Maggie
"	-002	Soil	3/10/05	Archimede	3/14/05	Maggie
"	-003	Soil	3/10/05	Archimede	3/14/05	Maggie
"	-004	Soil	3/10/05	Archimede	3/14/05	Maggie
"	-005	Soil	3/10/05	Archimede	3/14/05	Maggie
"	-006	Soil	3/10/05	Archimede	3/14/05	Maggie
TCL Pesticides	02152-001	Soil	3/10/05	Archimede	3/16/05	Mei
"	-002	Soil	3/10/05	Archimede	3/16/05	Mei
"	-003	Soil	3/10/05	Archimede	3/16/05	Mei
"	-004	Soil	3/10/05	Archimede	3/16/05	Mei
"	-005	Soil	3/10/05	Archimede	3/16/05	Mei
"	-006	Soil	3/10/05	Archimede	3/16/05	Mei
Department: Metals						
TAL Metals	02152-001	Soil	3/10/05	Lisa	3/10/05	Helge
"	-002	Soil	3/10/05	Lisa	3/10/05	Helge
"	-003	Soil	3/10/05	Lisa	3/10/05	Helge
"	-004	Soil	3/10/05	Lisa	3/10/05	Helge
"	-005	Soil	3/10/05	Lisa	3/10/05	Helge
"	-006	Soil	3/10/05	Lisa	3/10/05	Helge
Department: Wet Chemistry						
Ammonia	02152-001	Soil	n/a	n/a	3/11/05	Jackie

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March 21, 2005

LABORATORY CUSTODY CHRONICLE

Case No. E05-02152

Client EWMA - HQ

Project 163 RIVER RD. EDGEWATER NJ - 203711

			Preparation Date / Time	Analyst	Analysis Date / Time	Analyst
Department: Wet Chemistry						
"	-002	Soil	n/a	n/a	3/11/05	Jackie
"	-003	Soil	n/a	n/a	3/11/05	Jackie
"	-004	Soil	n/a	n/a	3/11/05	Jackie
"	-005	Soil	n/a	n/a	3/11/05	Jackie
"	-006	Soil	n/a	n/a	3/11/05	Jackie
Cyanide, Total	02152-001	Soil	n/a	n/a	3/18/05	Jackie
"	-002	Soil	n/a	n/a	3/18/05	Jackie
"	-003	Soil	n/a	n/a	3/18/05	Jackie
"	-004	Soil	n/a	n/a	3/18/05	Jackie
"	-005	Soil	n/a	n/a	3/18/05	Jackie
"	-006	Soil	n/a	n/a	3/18/05	Jackie

Review and Approval:

MONITORING WELL PURGE RECORD- September 28, 2005

SITE NAME: Three Y
Location: Edgewater
Job No.: 203711
Sampling Date: 3/21/2005
Personnel: Nick P
Weather Condition: Overcast 40s

		Water Quality Parameters					
MW-1		Time 24 Hour	PH	Cond. us / cm	Turbidity NTU	Diss. Ox. mg / L	Temp. oC
Depth to Water (initial)	5.05	11:50	5.45	2.09	620	1.06	11.3
Depth to Water (final)	5.07	11:55	5.09	2.05	999	0.36	12.1
Depth of Well (ft)		12:00	5.04	2.04	999	0.49	11.8
Well Diameter (in)	4.00	12:05	5.02	2.01	897	0.45	11.6
Screen Length (ft)		12:10	4.99	2.05	640	0.43	11.6
Casing Type		12:15	4.97	2.06	565	0.42	11.6
PID (initial)	NA						
PID (final)	NA						
Pump Type	Peristaltic						
Tubing Type	Teflon						
Max. Drawdown (ft)	0.02						
Purge Start Time	11:50						
Purge End/Sample Time	12:15						
Purge Rate (GPM)	0.33						
Purge Volume (G)	8.25						
Depth To Product	N/A						
Odor	No						

MONITORING WELL PURGE RECORD - August 24, 2005

SITE NAME: Three Y, LLC
Location: Edgewater, N.J.
Job No.: 203711
Sampling Date: 8/24/2005
Personnel: Carissa J
Weather Condition: Sunny 80s

Well No.:	MW-1	MW-2
Depth of Well (feet):	22.49	19.57
Well Diameter (inches):	2	2
PRE-PURGE DATA		
PID/FID (ppm):	nt	nt
Depth to Product (feet):	nt	nt
Depth to Water (feet):	5.94	3.86
Volume in Well (gal):	2.70	2.56
Product Thickness (feet):		
Purge Start Time:	11:59	11:15
Purge Rate (gal/min):	0.5	0.5
Purge Method:	peristaltic	peristaltic
pH:	6.41	6.91
Specific Conductivity (µS):	2.03	2.91
Dissolved Oxygen (mg/l):	2.55	1.77
Temperature (°C):	20.7	22.7
POST-PURGE DATA:		
Purge Stop Time:	12:15	11:31
Total Volume Purged (gal):	8.09	7.68
Depth to Water (feet):	6.19	4.19
pH:	5.7	6.88
Specific Conductivity (µS):	2.29	2.88
Dissolved Oxygen (mg/l):	2.33	1.88
Temperature (°C):	18.4	22.1
PRE-SAMPLING DATA:		
Depth To Water (feet):	6.10	4.03
POST-SAMPLING DATA:		
Time of Sampling:	12:23	11:37
Sampling Method:	bailer	bailer
pH:	5.75	6.87
Specific Conductivity (µS):	1.94	2.840
Dissolved Oxygen (mg/l):	1.99	1.11
Temperature (°C):	18.5	20.8
Odor:	no	no
Color	no	no

COMMENTS:
ND = Not Detected
Bailer = The sampling device used was a disposable, dedicated, polyethylene bailer.
NT = Not Tested
NS - Not Sampled

Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **THREE Y - 203711**
IAL Case Number: **E05-02623**

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-02623
Project Name THREE Y - 203711
Customer EWMA - HQ
Received On 3/21/2005@17:30

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
02623-001	MW-1A	n/a	3/21/2005@12:30	Aqueous	12
02623-002	FB	n/a	3/21/2005@12:45	Aqueous	9
02623-003	TB	n/a	3/21/2005@09:30	Aqueous	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received three (3) aqueous sample(s) from Environmental Waste Management Associates, LLC. (Project: THREE Y - 203711) on M[illegible], 2005 for the analysis of:

(1) PP VOA
(2) TCL VO+10
(2) TCL BNA+20
(2) PCB
(2) TCL Pesticides
(2) TAL Metals
(2) Ammonia
(2) Cyanide, Total

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

4/4/05
Date

000

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-02623

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

4/4/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E05 - 2423

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		NA
b. System Performance Check Compounds		NA
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		NA
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		NA
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		NA
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

3/29/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E05 - 02623

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
a. B/N Fraction _____		
b. Acid Fraction _____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
11. Analysis Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

03/25/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E05 - 02623

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

3/25/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PESTICIDES

Lab Case Number: E05 - 02623

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

03/28/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E05-02623

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		✓
3.	Serial Dilution Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

Sample(s): 02623-001 used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

02623-001: 0.2%

H. Falek-Jorgensen
Inorganic Manager

March 24, 2005
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: Environmental Waste Management Associates, LLC.
Project: THREE Y - 203711
Lab Case No.: E05-02623

Lab ID:	02623-001			02623-002			02623-003		
Client ID:	MW-1A			FB			TB		
Matrix:	Aqueous			Aqueous			Aqueous		
Sampled Date	3/21/05			3/21/05			3/21/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (µg/L-ppb)									
Acetone	9.01		2.57	ND		2.57	~		~
Methyl-t-butyl ether(MTBE)	0.468		0.370	ND		0.370	~		~
Benzene	1.60		0.470	ND		0.470	~		~
Toluene	0.698		0.390	ND		0.390	~		~
Ethylbenzene	0.589		0.400	ND		0.400	~		~
Total Xylenes	1.10		1.01	ND		1.01	~		~
Cyclohexane	2.07		0.420	ND		0.420	~		~
Methylcyclohexane	0.917		0.320	ND		0.320	~		~
TOTAL VO's:	16.5			ND			~		
TOTAL TIC's:	206			ND			~		~
TOTAL VO's & TIC's:	223			ND			~		~
Volatiles (µg/L-ppb)									
TOTAL VO's:	~			~			ND		
Semivolatiles - BNA (µg/L-ppb)									
Naphthalene	65.5		0.110	ND		0.110	~		~
2-Methylnaphthalene	10.6		0.140	ND		0.140	~		~
1-1'-Biphenyl	2.57		0.120	ND		0.120	~		~
Acenaphthylene	0.373		0.180	ND		0.180	~		~
Acenaphthene	41.5		0.170	ND		0.170	~		~
Dibenzofuran	15.1		0.120	ND		0.120	~		~
Fluorene	20.9		0.180	ND		0.180	~		~
Phenanthrene	41.7		0.110	ND		0.110	~		~
Anthracene	5.67		0.140	ND		0.140	~		~
Carbazole	21.6		0.170	ND		0.170	~		~
Fluoranthene	6.19		0.190	ND		0.190	~		~
Pyrene	4.58		0.140	ND		0.140	~		~
Butylbenzylphthalate	0.267	J	0.310	ND		0.310	~		~
Benzo[a]anthracene	0.491		0.150	ND		0.150	~		~
Chrysene	0.477		0.140	ND		0.140	~		~
Benzo[a]pyrene	0.256		0.200	ND		0.200	~		~
TOTAL BNA'S:	238	J		ND					
TOTAL TIC's:	16.3			ND			~		~
TOTAL BNA'S & TIC's:	254	J		ND			~		~
PCB's (µg/L-ppb)									
Aroclor-1016	ND		0.200	ND		0.200	~		~
Aroclor-1221	ND		0.200	ND		0.200	~		~
Aroclor-1232	ND		0.200	ND		0.200	~		~
Aroclor-1242	ND		0.200	ND		0.200	~		~
Aroclor-1248	ND		0.200	ND		0.200	~		~
Aroclor-1254	ND		0.200	ND		0.200	~		~
Aroclor-1260	ND		0.200	ND		0.200	~		~

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: THREE Y - 203711
Lab Case No.: E05-02623

Lab ID:	02623-001			02623-002			02623-003		
Client ID:	MW-1A			FB			TB		
Matrix:	Aqueous			Aqueous			Aqueous		
Sampled Date	3/21/05			3/21/05			3/21/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Pesticides (µg/L-ppb)									
alpha-BHC	ND		0.010	ND		0.010	~		~
beta-BHC	ND		0.010	ND		0.010	~		~
gamma-BHC	ND		0.010	ND		0.010	~		~
delta-BHC	ND		0.010	ND		0.010	~		~
Heptachlor	ND		0.010	ND		0.010	~		~
Aldrin	ND		0.010	ND		0.010	~		~
Heptachlor epoxide	ND		0.010	ND		0.010	~		~
Endosulfan I	ND		0.010	ND		0.010	~		~
4,4'-DDE	ND		0.010	ND		0.010	~		~
Dieldrin	ND		0.010	ND		0.010	~		~
Endrin	ND		0.010	ND		0.010	~		~
Endosulfan II	ND		0.010	ND		0.010	~		~
4,4'-DDD	ND		0.010	ND		0.010	~		~
Endrin aldehyde	ND		0.010	ND		0.010	~		~
Endosulfan sulfate	ND		0.010	ND		0.010	~		~
4,4'-DDT	ND		0.010	ND		0.010	~		~
Endrin ketone	ND		0.010	ND		0.010	~		~
Methoxychlor	ND		0.010	ND		0.010	~		~
alpha-Chlordane	ND		0.010	ND		0.010	~		~
gamma-Chlordane	ND		0.010	ND		0.010	~		~
Toxaphene	ND		0.075	ND		0.075	~		~
Metals (µg/L-ppb)									
Aluminum	280		40.0	ND		40.0	~		~
Antimony	ND		4.00	ND		4.00	~		~
Arsenic	3 5.86		4.00	ND		4.00	~		~
Barium	ND		40.0	ND		40.0	~		~
Beryllium	ND		2.00	ND		2.00	~		~
Cadmium	1.44		1.00	ND		1.00	~		~
Calcium	195000		200	ND		200	~		~
Chromium	ND		8.00	ND		8.00	~		~
Cobalt	ND		8.00	ND		8.00	~		~
Copper	ND		8.00	ND		8.00	~		~
Iron	4080		100	ND		100	~		~
Lead	ND		2.00	ND		2.00	~		~
Magnesium	47100		200	ND		200	~		~
Manganese	5580		4.00	ND		4.00	~		~
Mercury	ND		0.500	ND		0.500	~		~
Nickel	ND		4.00	ND		4.00	~		~
Potassium	15400		200	ND		200	~		~
Selenium	ND		8.00	ND		8.00	~		~
Silver	ND		2.00	ND		2.00	~		~
Sodium	166000		400	ND		400	~		~
Thallium	ND		0.400	ND		0.400	~		~
Vanadium	ND		8.00	ND		8.00	~		~
Zinc	41.1		8.00	ND		8.00	~		~
General Analytical									
Cyanide, Total(µg/L-ppb)	ND		20.0	ND		20.0	~		~
Ammonia(µg/L-ppb)	3000 3000		200	ND		200	~		~

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company EWMA-P	
Address:	
Telephone #:	
Fax #:	
Project Name: Three Y	
Project Manager: Ajay Kathuria	
Location of Site (STATE): NJ	
Reference ID#: 203714 PO#: L8795	

REPORTING & BILLING

Fax to:
Fax #:
EMail to:
Report to:
Address:
Invoice to:
Address:

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

	Results needed by:
Conditional / TPHC	
24 hr* 48 hr 72 hr 1 wk NA	
Verbal/Fax	
24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std	Std
Hard Copy	
72 hr* 1 wk* 2 wk* 3 wk/Std	Std

Report Format

Results Only
(Reduced)
Regulatory
SRP Disk**: dbf or wk1
Special Requirements:

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

Preservatives: 1. HCl 3. HNO_3 2. NaOH 4. H_2SO_4 5. MeOH 6. Other

SAMPLE INFORMATION

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O - Oil X - Other S - Soil
GW - Groundwater SOL - Solid

Sample ID	Sample Depth (in Feet)	Sampling Date	Sampling Time	# am	# pm	Matrix	# of Containers	Lab ID	Ammonia	TAL Metals	Total Cyanide	TCL Volts	TCL BNAs	TCL Pest	PCB	Lab's				Comments/Area of Concern
MW-1A		3/21	12:30		X	GW	12	1	X	X	X	X	X	X	X					
FB			12:45		X	A	9	2	X	X	X	X	X	X	X					
TB		↓	9:30	X		A	2	3								X				

COOLER TEMP. 4 °C

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or No
Describe:
Conc. Expected: Low Med High

MDL Req:
GWQS or SCC

CUSTODY LOG

Signature/Company	Date	Time	Signature/Company
Relinquished by:	3/21/05	1640	Received by:
Relinquished by:	3/21/05	5:30	Received by: CTM
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #: 2623

Describe

PAGE: 1 OF 1

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

PROJECT INFORMATION

Case No. E05-02623 **Project** THREE Y - 203711

Customer	EWMA - HQ	**P.O. #**	L8795
Contact	Ajay Kathuria	**Received**	3/21/2005 17:30
EMail	ajay.kathuria@ewma.com ☐ EMail EDDs	**Verbal Due**	4/5/2005
Phone	(973) 560-1400 **Fax** 1(973) 560-0400	**Report Due**	4/12/2005

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
02623-001	MW-1A	n/a	3/21/2005@12:30	Aqueous	µg/L	12
02623-002	FB	n/a	3/21/2005@12:45	Aqueous	µg/L	9
02623-003	TB	n/a	3/21/2005@09:30	Aqueous	µg/L	2

Sample #	Tests	Status	QA Method
001	TCL VO+10	Run	624
"	TCL BNA+20	Run	625
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Run	6020/7471A
"	Ammonia	Run	350.1
"	Cyanide, Total	Run	335.2
002	TCL VO+10	Run	624
"	TCL BNA+20	Run	625
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Run	6020/7471A
"	Ammonia	Run	350.1
"	Cyanide, Total	Run	335.2
003	PP VOA	Run	624

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E05** **02623** CLIENT: GeoMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE _____

KEY

✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS: _____

SAMPLE(S) VERIFIED BY: INITIAL [JB] DATE [3/21/05]

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT: _____

SUBCONTRACTED LAB: _____

DATE SHIPPED: _____

ADDITIONAL COMMENTS: _____

VERIFIED/TAKEN BY: INITIAL [JB] DATE [3.22.05]

REV 02/05

LABORATORY CUSTODY CHRONICLE

Case No. E05-02623

Client EWMA - HQ

Project THREE Y - 203711

			Preparation Date / Time	Analyst	Analysis Date / Time	Analyst
Department: Volatiles						
PP VOA	02623-003	Aqueous	n/a	n/a	3/28/05	Barbara
TCL VO+10	-001	Aqueous	n/a	n/a	3/28/05	Barbara
"	-002	Aqueous	n/a	n/a	3/28/05	Barbara
Department: Semivolatiles						
TCL BNA+20	02623-001	Aqueous	3/23/05	Kou-Liang	3/24/05	JC
"	-002	Aqueous	3/23/05	Kou-Liang	3/24/05	JC
Department: GC						
PCB	02623-001	Aqueous	3/24/05	Archimede	3/25/05	Maggie
"	-002	Aqueous	3/24/05	Archimede	3/25/05	Maggie
TCL Pesticides	02623-001	Aqueous	3/24/05	Archimede	3/25/05	Mei
"	-002	Aqueous	3/24/05	Archimede	3/25/05	Mei
Department: Metals						
TAL Metals	02623-001	Aqueous	3/22/05	Lisa	3/24/05	Helge
"	-002	Aqueous	3/22/05	Lisa	3/24/05	Helge
Department: Wet Chemistry						
Ammonia	02623-001	Aqueous	n/a	n/a	3/31/05	Jackie
"	-002	Aqueous	n/a	n/a	3/31/05	Jackie
Cyanide, Total	02623-001	Aqueous	n/a	n/a	3/28/05	Jackie
"	-002	Aqueous	n/a	n/a	3/28/05	Jackie

Review and Approval: Mdpnguyen

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

April 01, 2005

APPENDIX 7

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT REVISED

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **163 RIVER RD-203711**
IAL Case Number: **E05-08185**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-08185

Project Name 163 RIVER RD-203711

Customer EWMA - HQ

Received On 8/5/2005@09:30

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
08185-001	3Y-B14	0 / 0.5	8/4/2005@09:00	Soil	1
08185-002	3Y-B14	17 / 17.5	8/4/2005@09:15	Soil	2
08185-003	3Y-B14	4 / 4.5	8/4/2005@09:45	Soil	2
08185-004	3Y-B11	2 / 2.5	8/4/2005@10:15	Soil	2
08185-005	3Y-B9	6.5 / 7	8/4/2005@16:00	Soil	2
08185-006	3Y-B12	2 / 2.5	8/4/2005@10:20	Soil	2
08185-007	3Y-B13	2 / 2.5	8/4/2005@10:45	Soil	2
08185-008	3Y-B10	2 / 2.5	8/4/2005@11:00	Soil	2
08185-009	3Y-B6	6.5 / 7	8/4/2005@13:00	Soil	2
08185-010	3Y-B7	6.5 / 7	8/4/2005@14:00	Soil	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

REVISED

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received ten (10) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: 163 RIVER RD-203711) on August 5, 2005 for the analysis of:

(9) TCL VOA + 10
(1) TCL BN + 15
(10) Ammonia (NH3)

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

8/30/05
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-08185 REVISED

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

8/30/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E05 - 08185

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
	✓	✓	

13. Comments:

Organics Manager

8/15/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E05 - 08185

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank: a. B/N Fraction b. Acid Fraction	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) a. B/N Fraction b. Acid Fraction		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) a. B/N Fraction b. Acid Fraction		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

8-9-05
Date

REVISED
SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER RD-203711
Lab Case No.: E05-08185

Lab ID:	08185-001			08185-002			08185-003			08185-004		
Client ID:	3Y-B14			3Y-B14			3Y-B14			3Y-B11		
Depth:	0/0.5			17/17.5			4/4.5			2/2.5		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	8/4/05			8/4/05			8/4/05			8/4/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
Benzene	~		~	ND		0.489	0.336	J	0.476	35.4		0.699
Toluene	~		~	ND		0.489	ND		0.476	0.747		0.699
Ethylbenzene	~		~	ND		0.489	ND		0.476	1.46		0.699
Total Xylenes	~		~	ND		0.489	ND		0.476	3.25		0.699
TOTAL VO's:				ND			0.336	J		40.9		
TOTAL TIC's:	~		~	ND			14.5			5.20		
TOTAL VO's & TIC's:	~		~	ND			14.8	J		46.1		
Semivolatiles - BN (mg/Kg-ppm)												
Naphthalene	~		~	~		~	77.6		0.934	~		
2-Methylnaphthalene	~		~	~		~	38.6		0.934	~		
Acenaphthylene	~		~	~		~	3.93		0.934	~		~
Acenaphthene	~		~	~		~	45.6		0.934	~		~
Dibenzofuran	~		~	~		~	29.1		0.934	~		~
Fluorene	~		~	~		~	46.4		0.934	~		~
Phenanthrene	~		~	~		~	114		0.934	~		~
Anthracene	~		~	~		~	45.3		0.934	~		~
Carbazole	~		~	~		~	16.0		0.934	~		~
Fluoranthene	~		~	~		~	98.4		0.934	~		~
Pyrene	~		~	~		~	71.5		0.934	~		~
Benzo[a]anthracene	~		~	~		~	40.9		0.934	~		~
Chrysene	~		~	~		~	41.4		0.934	~		~
Benzo[b]fluoranthene	~		~	~		~	26.1		0.934	~		~
Benzo[k]fluoranthene	~		~	~		~	21.8		0.934	~		~
Benzo[a]pyrene	~		~	~		~	31.8		0.934	~		~
Indeno[1,2,3-cd]pyrene	~		~	~		~	17.1		0.934	~		~
Dibenz[a,h]anthracene	~		~	~		~	8.10		0.934	~		~
Benzo[g,h,i]perylene	~		~	~		~	16.6		0.934	~		~
TOTAL BN'S:							790					
TOTAL TIC's:	~		~	~		~	152			~		~
TOTAL BN'S & TIC's:	~		~	~		~	942			~		~
General Analytical												
Ammonia(mg/Kg-ppm)	ND		0.211	ND		0.242	0.378		0.244	0.411		0.257

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

REVISED
SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER RD-203711
Lab Case No.: E05-08185

	Lab ID:	08185-005			08185-006			08185-007			08185-008		
	Client ID:	3Y-B9			3Y-B12			3Y-B13			3Y-B10		
	Depth:	6.5/7			2/2.5			2/2.5			2/2.5		
	Matrix:	Soil			Soil			Soil			Soil		
	Sampled Date	8/4/05			8/4/05			8/4/05			8/4/05		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)													
trans-1,2-Dichloroethene		0.222	J	0.821	ND		0.741	ND		0.757	ND		0.752
Benzene		0.183	J	0.821	21.0		0.371	5.71		0.757	ND		0.752
Toluene		ND		0.821	3.87		0.741	0.549	J	0.757	ND		0.752
Ethylbenzene		ND		0.821	5.14		0.741	1.09		0.757	ND		0.752
Total Xylenes		ND		0.821	4.92		0.741	2.05		0.757	ND		0.752
Isopropylbenzene		0.203	J	0.821	1.43		0.741	0.366	J	0.757	ND		0.752
TOTAL VO's:		0.608	J		36.4			9.77	J		ND		
TOTAL TIC's:		18.5			72.9			9.92			ND		
TOTAL VO's & TIC's:		19.1	J		109			19.7	J		ND		
General Analytical													
Ammonia(mg/Kg-ppm)		0.997		0.243	ND		0.237	0.568		0.260	ND		0.259

	Lab ID:	08185-009			08185-010		
	Client ID:	3Y-B6			3Y-B7		
	Depth:	6.5/7			6.5/7		
	Matrix:	Soil			Soil		
	Sampled Date	8/4/05			8/4/05		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)							
Benzene		0.882		0.476	5.81		0.389
Ethylbenzene		1.57		0.953	1.21		0.778
Total Xylenes		ND		0.953	2.64		0.778
TOTAL VO's:		2.45			9.66		
TOTAL TIC's:		178			110		
TOTAL VO's & TIC's:		180			120		
General Analytical							
Ammonia(mg/Kg-ppm)		1.50		0.343	0.984		0.249

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company: EWMA
Address:
Telephone #:
Fax #:
Project Name: 163 River Rd
Project Manager: Ajay Kathuria
Reference ID#: 203711 PO#:

REPORTING & BILLING

Fax to:
Fax #:
EMail to:
Report to:
Address:
Invoice to:
Address:

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

Results needed by:

Conditional / TPHC: 24 hr* 48 hr 72 hr 1 wk NA
Verbal/Fax: 24 hr* 48 hr* 72 hr* 1 wk* (2 wk/Std) — circled
Hard Copy: 72 hr* 1 wk* 2 wk* (3 wk/Std) — circled

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

Report Format: Results Only / Reduced / Regulatory / SRP Disk**: dbf or wk1
Special Requirements:

** Circle format required

ANALYTICAL PARAMETERS / PRESERVATIVES

Parameters: VOC+10, Ammonia

Preservatives: 1. HCL 2. NaOH 3. HNO$_3$ 4. H$_2$SO$_4$ 5. MeOH 6. Other: FUDORR

COOLER TEMP. <4 °C

SAMPLE MATRIX: W - Waste, SL - Sludge, A - Aqueous, O - Oil, X - Other, S - Soil, GW - Groundwater, SOL - Solid

SAMPLE INFORMATION

Sample ID	Sample Depth (in Feet)	Date	Time	am	pm	Matrix	# of Containers	Lab ID	VOC+10	Ammonia	Comments/Area of Concern
3Y-B14	(0-0.5)	8/4/5	9:00	✓		soil	1	1	[crossed out]	X	Ammonia only
3Y-B14	(17-17.5)	↓	9:15			↓	2	2	X	X	
3Y-B14	(4-4.5)	↓	9:45			↓	↓	3	↓	↓	
3Y-B11	(2-2.5)	↓	10:10			↓	↓	4	↓	↓	
~~3Y-10~~ 3Y-B9	(6.5-7)	↓	4:00		X	↓	↓	5	↓	↓	
3Y-B12	(2-2.5)	↓	12:30			↓	↓	6	↓	↓	
3Y-B13	(2-2.5)	↓	10:45			↓	↓	7	↓	↓	
3Y-B10	(2-2.5)	↓	11:00			↓	↓	8	↓	↓	
3Y-B6	(6.5-7)	↓	1:00		X	↓	↓	9	↓	↓	
3Y-B7	(6.5-7)	↓	2:00		X	↓	↓	10	↓	↓	

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or (No)
Describe:
Conc. Expected: (Low) Med High

MDL Req: GWQS or (SCC)

CUSTODY LOG

Signature/Company	Date	Time	Signature/Company
Relinquished by: [signature] Vidmi	8-5-05	9:00	Received by: [signature]
Relinquished by: [signature]	8-5-05	9:30	Received by: [signature] IAL
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #: 8185

Describe
PAGE: 1 OF 1

REV 10/03

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

PROJECT INFORMATION

E05-08185

Case No. E05-08185 **Project** 163 RIVER RD-203711

Customer	EWMA - HQ	**P.O. #**	NA
Contact	Ajay Kathuria	**Received**	8/5/2005 09:30
EMail	ajay.kathuria@ewma.com ☐ EMail EDDs	**Verbal Due**	8/26/2005
Phone	(973) 560-1400 **Fax** 1(973) 560-0400	**Report Due**	9/2/2005

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
08185-001	3Y-B14	0 / 0.5	8/4/2005@09:00	Soil	mg/Kg	1
08185-002	3Y-B14	17 / 17.5	8/4/2005@09:15	Soil	mg/Kg	2
08185-003	3Y-B14	4 / 4.5	8/4/2005@09:45	Soil	mg/Kg	2
08185-004	3Y-B11	2 / 2.5	8/4/2005@10:15	Soil	mg/Kg	2
08185-005	3Y-B9	6.5 / 7	8/4/2005@16:00	Soil	mg/Kg	2
08185-006	3Y-B12	2 / 2.5	8/4/2005@10:20	Soil	mg/Kg	2
08185-007	3Y-B13	2 / 2.5	8/4/2005@10:45	Soil	mg/Kg	2
08185-008	3Y-B10	2 / 2.5	8/4/2005@11:00	Soil	mg/Kg	2
08185-009	3Y-B6	6.5 / 7	8/4/2005@13:00	Soil	mg/Kg	2
08185-010	3Y-B7	6.5 / 7	8/4/2005@14:00	Soil	mg/Kg	2

Sample #	Tests	Status	QA Method
001	Ammonia (NH3)	Complete	350.2 M
002	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M
003	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	BN + 15	Cancel	8270C
"	TCL BN + 15	Run	8270C
"	Ammonia (NH3)	Complete	350.2 M
004	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M
005	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M
006	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M
007	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B

LABORATORY CUSTODY CHRONICLE

Case No. E05-08185

Client EWMA - HQ

Project 163 RIVER RD-203711

			Preparation		Analysis	
			Date / Time	Analyst	Date / Time	Analyst
Department: Volatiles						
TCL VOA + 10	08185-002	Soil	n/a	n/a	8/30/05	Xing
"	-003	Soil	n/a	n/a	8/30/05	Xing
"	-004	Soil	n/a	n/a	8/30/05	Xing
"	-005	Soil	n/a	n/a	8/30/05	Xing
"	-006	Soil	n/a	n/a	8/30/05	Xing
"	-007	Soil	n/a	n/a	8/30/05	Xing
"	-008	Soil	n/a	n/a	8/30/05	Xing
"	-009	Soil	n/a	n/a	8/30/05	Xing
"	-010	Soil	n/a	n/a	8/30/05	Xing
Department: Semivolatiles						
TCL BN + 15	08185-003	Soil		Kou-Liang	8/23/05	JC
Department: Wet Chemistry						
Ammonia (NH3)	08185-001	Soil	n/a	n/a	8/9/05	Jackie
"	-002	Soil	n/a	n/a	8/9/05	Jackie
"	-003	Soil	n/a	n/a	8/9/05	Jackie
"	-004	Soil	n/a	n/a	8/9/05	Jackie
"	-005	Soil	n/a	n/a	8/9/05	Jackie
"	-006	Soil	n/a	n/a	8/9/05	Jackie
"	-007	Soil	n/a	n/a	8/9/05	Jackie
"	-008	Soil	n/a	n/a	8/9/05	Jackie
"	-009	Soil	n/a	n/a	8/9/05	Jackie
"	-010	Soil	n/a	n/a	8/9/05	Jackie

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

August 30, 2005

020

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT REVISED

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **163 RIVER ROAD-203711**
IAL Case Number: **E05-08234**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-08234
Project Name 163 RIVER ROAD-203711
Customer EWMA - HQ
Received On 8/5/2005@18:00

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
08234-001	3Y-B8	6.5 / 7	8/5/2005@08:00	Soil	2
08234-002	3Y-B15	5 / 5.5	8/5/2005@10:15	Soil	2
08234-003	3Y-B16	4 / 4.5	8/5/2005@10:45	Soil	2
08234-004	3Y-B17	5 / 5.5	8/5/2005@11:20	Soil	2
08234-005	3Y-B18	5 / 5.5	8/5/2005@11:45	Soil	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

REVISED

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received five (5) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: 163 RIVER ROAD-203711) on August 5, 2005 for the analysis of:

(5) TCL VOA + 10
(5) Ammonia (NH3)

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

9/6/05
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-08234 REVISED

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

A. Kanno
QC Reviewed by

9/6/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E05 - 834

	No	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		Yes
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		NA
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed		✓

High Target Compounds	High Rankings Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

8/18/05
Date

0004

REVISED
SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER ROAD-203711
Lab Case No.: E05-08234

	Lab ID:	08234-001			08234-002			08234-003			08234-004		
	Client ID:	3Y-B8			3Y-B15			3Y-B16			3Y-B17		
	Depth:	6.5/7			5/5.5			4/4.5			5/5.5		
	Matrix:	Soil			Soil			Soil			Soil		
	Sampled Date	8/5/05			8/5/05			8/5/05			8/5/05		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)													
Benzene		0.248	J	0.672	ND		0.530	ND		0.489	ND		0.495
Trichloroethene		0.171	J	0.672	ND		0.530	ND		0.489	ND		0.495
Ethylbenzene		0.165	J	0.672	ND		0.530	ND		0.489	ND		0.495
TOTAL VO's:		0.584	J		ND			ND			ND		
TOTAL TIC's:		0.994			ND			ND			ND		
TOTAL VO's & TIC's:		1.58	J		ND			ND			ND		
General Analytical													
Ammonia(mg/Kg-ppm)		ND		0.236	ND		0.246	0.416		0.242	0.336		0.249

	Lab ID:	08234-005		
	Client ID:	3Y-B18		
	Depth:	5/5.5		
	Matrix:	Soil		
	Sampled Date	8/5/05		
PARAMETER(Units)		Conc	Q	MDL
Volatiles (mg/Kg-ppm)				
TOTAL VO's:		ND		0.502
TOTAL TIC's:		0.643		
TOTAL VO's & TIC's:		0.643		
General Analytical				
Ammonia(mg/Kg-ppm)		0.536		0.237

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company	EWMA
Address:	
Telephone #:	
Fax #:	
Project Name:	163 River Road
Project Manager:	Ajay Kathuria
Location of Site (STATE):	NJ
Reference ID#:	203711 PO#:

REPORTING & BILLING

Fax to:	
Fax #:	
EMail to:	
Report to:	
Address:	
Invoice to:	
Address:	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

	Results needed by:
Conditional / TPHC: 24 hr* 48 hr 72 hr 1 wk NA	
Verbal/Fax: 24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std	
Hard Copy: 72 hr* 1 wk* 2 wk* 3 wk/Std	

Report Format: Results Only; Reduced; Regulatory; SRP DRK**: dbf or wkf

Special Requirements:

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

ANALYTICAL PARAMETERS / PRESERVATIVES ** Circle format required

1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6
VOA+10	Ammonia								

Preservatives: 1. HCl 3. HNO_3 2. NaOH 4. H_2SO_4 5. MeOH 6. Other (Ice)

COOLER TEMP. 4 °C

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O Oil X - Other S - Soil
GW Groundwater SOL. - Solid

SAMPLE INFORMATION

Sample ID	Sample Depth (in Feet)	Date	Sampling Time	# am	# pm	Matrix	# of Containers	Lab ID	Comments/Area of Concern
3Y-B8	(6.5-7)	8/5	9[illegible]			Soil	2	1	
3Y-B15	(5-5.5)		10[illegible]15					2	
3Y-B16	(4-4.5)		10[illegible]45					3	
3Y-B17	(5-5.5)		11[illegible]20					4	
3Y-B18	(5-5.5)		11[illegible]45					5	

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or No

Describe:

Conc. Expected: Low Med High

MDL Req: GWQS or RCC

CUSTODY LOG

	Signature/Company	Date	Time	Signature/Company
Relinquished by:	[signature]	8-5-05	16:45	Received by: [signature]
Relinquished by:	[signature]	8.5.05	6:40	Received by: [signature]
Relinquished by:				Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:

Comments:

Lab Case # 8234

Describe

PAGE: 1 OF

REV 12/04

WHITE & YELLOW: CLIENT COPY - PINK

PROJECT INFORMATION

E05-08234

Case No. E05-08234 **Project** 163 RIVER ROAD-203711

Customer	EWMA - HQ	**P.O. #**	NA
Contact	Ajay Kathuria	**Received**	8/5/2005 18:00
EMail	ajay.kathuria@ewma.com ☐ EMail EDDs	**Verbal Due**	8/26/2005
Phone	(973) 560-1400 **Fax** 1(973) 560-0400	**Report Due**	9/2/2005

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
08234-001	3Y-B8	6.5 / 7	8/5/2005@08:00	Soil	mg/Kg	2
08234-002	3Y-B15	5 / 5.5	8/5/2005@10:15	Soil	mg/Kg	2
08234-003	3Y-B16	4 / 4.5	8/5/2005@10:45	Soil	mg/Kg	2
08234-004	3Y-B17	5 / 5.5	8/5/2005@11:20	Soil	mg/Kg	2
08234-005	3Y-B18	5 / 5.5	8/5/2005@11:45	Soil	mg/Kg	2

Sample #	Tests	Status	QA Method
001	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M
002	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M
003	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M
004	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M
005	PP VOA + 10	Cancel	8260B
"	TCL VOA + 10	Run	8260B
"	Ammonia (NH3)	Complete	350.2 M

08/08/2005 13:00 by chuang - NOTE 1

PLEASE MEET SCC MDLs.

08/08/2005 13:00 by chuang - NOTE 2

VO COLLECTED IN ENCOR TO BE TRANSFERRED TO METHANOL.

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

PROJECT INFORMATION

Case No. E05-08234 **Project** 163 RIVER ROAD-203711

08/23/2005 13:59 by ELLEN - REV/ADD

AS PER KIM'S CONVERSATION W/ CHRIS V., NEED TO REPORT TCL VO LIST. SAMPLES ALREADY RUN, REVISE NECESSARY PAGES.

FOR REPORTING: PLEASE REGENERATE THE ENTIRE REPORT.

ORIGINAL FAX - 8/22/2005

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E05 08234 CLIENT: EWMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY
✓ = YES/NA
✗ = NO

- ✓ Bottles Intact
- ✓ no-Missing Bottles
- ✓ no-Extra Bottles

- ✓ Sufficient Sample Volume
- ✓ no-headspace/bubbles in VOs
- ✓ Labels intact/correct
- ✓ pH Check (exclude VOs)[1]
- ✓ Correct bottles/preservative
- ✓ Sufficient Holding/Prep Time[1]
- [ ] Sample to be Subcontracted

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 8/5/05

CORRECTIVE ACTION REQUIRED: YES [ ] (SEE BELOW) NO [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [ ] DATE [ ]

REV 02/05

0076

LABORATORY CUSTODY CHRONICLE

Case No. E05-08234

Client EWMA - HQ

Project 163 RIVER ROAD-203711

			Preparation		Analysis	
			Date / Time	Analyst	Date / Time	Analyst
Department: Volatiles						
TCL VOA + 10	08234-001	Soil	n/a	n/a	8/23/05	
"	-002	Soil	n/a	n/a	8/23/05	
"	-003	Soil	n/a	n/a	8/23/05	
"	-004	Soil	n/a	n/a	8/23/05	
"	-005	Soil	n/a	n/a	8/23/05	
Department: Wet Chemistry						
Ammonia (NH3)	08234-001	Soil	n/a	n/a	8/15/05	Jackie
"	-002	Soil	n/a	n/a	8/15/05	Jackie
"	-003	Soil	n/a	n/a	8/15/05	Jackie
"	-004	Soil	n/a	n/a	8/15/05	Jackie
"	-005	Soil	n/a	n/a	8/15/05	Jackie

Review and Approval: _____

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **163 RIVER ROAD - 203711**
IAL Case Number: **E05-08875**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-08875

Project Name 163 RIVER ROAD - 203711

Customer EWMA - HQ

Received On 8/24/2005@17:00

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
08875-001	MW1	n/a	8/24/2005@12:23	Aqueous	3
08875-002	MW2	n/a	8/24/2005@11:37	Aqueous	3
08875-003	FB	n/a	8/24/2005@10:30	Aqueous	3
08875-004	TB	n/a	8/24/2005	Aqueous	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received four (4) aqueous sample(s) from Environmental Waste Management Associates, LLC. (Project: 163 RIVER ROAD - 203711) on August 24, 2005 for the analysis of:

(3) PP VOA + 10
(1) PP VOA
(3) Ammonia (NH3)

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

9/9/05
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-08875

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

9/9/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E05 - 8875

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		NA
b. System Performance Check Compounds		NA
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		NA
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		NA
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		NA
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

9/1/05
Date

SUMMARY REPORT

Client: Environmental Waste Management Associates, LLC.
Project: 163 RIVER ROAD - 203711
Lab Case No.: E05-08875

Lab ID:	08875-001			08875-002			08875-003			08875-004		
Client ID:	MW1			MW2			FB			TB		
Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
Sampled Date	8/24/05			8/24/05			8/24/05			8/24/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (µg/L-ppb)												
Chloroform	0.438		0.250	ND		0.250	ND		0.250	ND		0.250
Benzene	1.31		0.250	ND		0.250	ND		0.250	ND		0.250
Toluene	0.523		0.250	ND		0.250	ND		0.250	ND		0.250
Ethylbenzene	0.471		0.250	ND		0.250	ND		0.250	ND		0.250
Total Xylenes	1.88		0.480	ND		0.480	ND		0.480	ND		0.480
TOTAL VO's:	4.62			ND			ND			ND		
TOTAL TIC's:	282			ND			ND			~		
TOTAL VO's & TIC's:	287			ND			ND			NA		
General Analytical												
Ammonia(µg/L-ppb)	3160		200	6340		200	ND		200	~		~

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company EWMA-P	
Address:	
Telephone #:	
Fax #:	
Project Name: 163 River Road	
Project Manager: Ajay Kathuria	
Location of Site (STATE): NJ	
Reference ID#: 203711 PO#: L8939	

REPORTING & BILLING

Fax to:	
Fax #:	
EMail to:	
Report to:	
Address:	
Invoice to:	
Address:	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

	Results needed by:
Conditional / TPHC	
24 hr* 48 hr 72 hr 1 wk NA	
Verbal/Fax	
24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std	STD
Hard Copy	
72 hr* 1 wk* 2 wk* 3 wk/Std	STD

Report Format

Results Only
(Reduced)
Regulatory

SRP Disk**: dbf or wk1

Special Requirements:

*Prior to sample arrival, Lab notification is required. RUSH Surcharge will apply

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

Sample ID	Sample Depth (in Feet)	Sampling Date	Sampling Time	Sampling # am	Sampling # pm	Matrix	# of Containers	Lab ID	VO + 10	Ammonia	VO's									
									1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	Comments/Area of Concern
MW1		8/24/05	12:23		X	GW	3	1	X	X										
MW2		↓	11:37	X		GW	3	2	X	X										
FB			10:30	X		A	3	3	X	X										
TB		↓	8:00	X		A	2	4			X									

Preservatives

1. HCl 3. HNO3
2. NaOH 4. H2SO4
5. MeOH 6. Other

COOLER TEMP. 4 °C

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O - Oil X - Other S - Soil
GW - Groundwater SOL - Solid

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Known Hazard: Yes or No

Describe:

Conc. Expected: Low Med High

MDL Req:
GWQS or SCC

CUSTODY LOG

Signature/Company	Date	Time	Signature/Company
Relinquished by: [signature]	8/24/05	1600	Received by: [signature]
Relinquished by: [signature]	8/24/05	1700	Received by: [signature]
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case #
8871

Describe

PAGE: 1 OF 1

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

REV 12/04

0050

PROJECT INFORMATION

Case No. E05-08875 **Project** 163 RIVER ROAD - 203711

Customer	EWMA - HQ	**P.O. #**	L8939
Contact	Ajay Kathuria	**Received**	8/24/2005 17:00
EMail	ajay.kathuria@ewma.com ☐ EMail EDDs	**Verbal Due**	9/9/2005
Phone	(973) 560-1400 **Fax** 1(973) 560-0400	**Report Due**	9/16/2005

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Ajay Kathuria

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
08875-001	MW1	n/a	8/24/2005@12:23	Aqueous	µg/L	3
08875-002	MW2	n/a	8/24/2005@11:37	Aqueous	µg/L	3
08875-003	FB	n/a	8/24/2005@10:30	Aqueous	µg/L	3
08875-004	TB	n/a	8/24/2005	Aqueous	µg/L	2

Sample #	Tests	Status	QA Method
001	PP VOA + 10	Run	624
"	Ammonia (NH3)	Complete	350.1
002	PP VOA + 10	Run	624
"	Ammonia (NH3)	Complete	350.1
003	PP VOA + 10	Run	624
"	Ammonia (NH3)	Complete	350.1
004	PP VOA	Run	624

LABORATORY CUSTODY CHRONICLE

Case No. E05-08875

Client EWMA - HQ

Project 163 RIVER ROAD - 203711

			Preparation		Analysis	
			Date / Time	Analyst	Date / Time	Analyst
Department: Volatiles						
PP VOA	08875-004	Aqueous	n/a	n/a	8/31/05	Barbara
PP VOA + 10	-001	Aqueous	n/a	n/a	8/31/05	Barbara
"	-002	Aqueous	n/a	n/a	8/31/05	Barbara
"	-003	Aqueous	n/a	n/a	8/31/05	Barbara
Department: Wet Chemistry						
Ammonia (NH3)	08875-001	Aqueous	n/a	n/a	8/26/05	Jackie
"	-002	Aqueous	n/a	n/a	8/26/05	Jackie
"	-003	Aqueous	n/a	n/a	8/26/05	Jackie

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

APPENDIX 9

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **163 OLD RIVER RD.**
IAL Case Number: **E05-12580**

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

Case No. E05-12580
Project Name 163 OLD RIVER RD.
Customer EWMA - HQ
Received On 11/21/2005@17:00

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
12580-001	B-19	6 / 6.5	11/21/2005@09:00	Soil	2
12580-002	B-20	5.5 / 6	11/21/2005@09:45	Soil	2
12580-003	B-21	6 / 6.5	11/21/2005@10:30	Soil	2
12580-004	B-22	5 / 5.5	11/21/2005@11:00	Soil	2
12580-005	B-23	6 / 6.5	11/21/2005@11:30	Soil	2
12580-006	B-24	6.5 / 7	11/21/2005@12:00	Soil	2
12580-007	B-25	2 / 2.5	11/21/2005@13:00	Soil	2
12580-008	B-27	6 / 6.5	11/21/2005@13:30	Soil	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received eight (8) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: 163 OLD RIVER RD.) on November 21, 2005 for the analysis of:

(8) PP VOA + 10

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

R Ramsay Shadis
Reviewed by

12/8/05
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E05-12580

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

R Ramsay Shedis
QC Reviewed by

12/8/05
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E05 - 12580

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
✓	✓		

13. Comments:

Organics Manager

12/2/05
Date

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: 163 OLD RIVER RD.
Lab Case No.: E05-12580

Lab ID:	12580-001			12580-002			12580-003			12580-004		
Client ID:	B-19			B-20			B-21			B-22		
Depth:	6/6.5			5.5/6			6/6.5			5/5.5		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	11/21/05			11/21/05			11/21/05			11/21/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Benzene	0.663		0.448	1.06		0.903	0.221	J	0.594	0.592	J	0.818
Toluene	ND		0.895	ND		0.903	0.349	J	0.594	ND		0.818
Ethylbenzene	ND		0.895	0.476	J	0.903	0.138	J	0.594	0.324	J	0.818
Total Xylenes	ND		0.895	ND		0.903	1.31		0.594	0.294	J	0.818
TOTAL VO's:	0.663			1.54	J		2.02	J		1.21	J	
TOTAL TIC's:	122			214			53.5			14.9		
TOTAL VO's & TIC's:	123			216	J		55.5	J		16.1	J	

Lab ID:	12580-005			12580-006			12580-007			12580-008		
Client ID:	B-23			B-24			B-25			B-27		
Depth:	6/6.5			6.5/7			2/2.5			6/6.5		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	11/21/05			11/21/05			11/21/05			11/21/05		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Benzene	ND		0.539	ND		0.608	31.3		0.394	ND		0.648
Toluene	ND		1.08	ND		0.608	60.0		0.787	ND		0.648
Ethylbenzene	12.6		1.08	ND		0.608	ND		0.787	ND		0.648
Total Xylenes	7.60		1.08	ND		0.608	ND		0.787	ND		0.648
TOTAL VO's:	20.2			ND			91.3			ND		
TOTAL TIC's:	4500			ND			ND			ND		
TOTAL VO's & TIC's:	4520			ND			91.3			ND		

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO	
Company:	EWMA
Address:	
Telephone #:	
Fax #:	
Project Manager:	Paul Schatz
Sampler:	Chris Viani
Project Name:	16B Old River Rd
Project Location (State):	NJ
Bottle Order #:	
Quote # :	

REPORTING INFO	
REPORT TO:	
Address:	
Attn:	
FAX #	
INVOICE TO:	
Address:	
Attn:	
PO #	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE**

Conditional TPHC	Results needed by:	Rush TAT Charge **	Report Format	DISKETTE
24 hr* 48 hr 72 hr NA		24 hr - 100%...	Results Only	.dbf format
Verbal/Fax 2 wk/Std		48 hr - 75%...	Reduced	.wk1 format
24 hr* 48 hr* 72 hr* 1 wk*		72 hr - 50%....	Regulatory	lab approved custom EDD
Hard Copy 3 wk/Std		96 hr - 35%....	Other (describe)	
2 wk* call for price		5 day - 25%.... 6-9 day 10%		NO DISK/CD REQ'D

Cooler Temp 4 °C

SAMPLE INFORMATION

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

Client ID	Depth	Sampling Date	Sampling Time	Matrix	# container	IAL #	ANALYTICAL PARAMETERS: 8260 (25) TCL PPL STARS TCLP; MTBE TBA NAP (+10) +15	8270 625 TCL PPL STARS TCLP; BNA BN PAH +15 +25	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
B-19	6-6.5	11/21/5	9:00	soil	2	1										X
B-20	5.5-6		9:45			2										
B-21	6-6.5		10:30			3										
B-22	5-5.5		11			4										
B-23	6-6.5		11:30			5										
B-24	6.5-7		12:00			6										
B-25	2-2.5		1:00			7										
B-27	6-6.5		1:30			8										

Known Hazard: Yes or (No) Describe:

Conc. Expected: (Low) Med High

MDL Req: GWQS - (SCC) OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

	Signature/Company	Date	Time	Signature/Company
Relinquished by:	Chris Viani	11/21/05	16:10	Received by:
Relinquished by:		11/21/05	5:30	Received by: CDM
Relinquished by:				Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:

Comments:

Lab Case # 12580

PAGE: 1 of 1

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

01/2005

PROJECT INFORMATION

E05-12580

Case No. E05-12580 **Project** 163 OLD RIVER RD.

Customer EWMA - HQ
Contact Paul Schatz
EMail Paul.Schatz@ewma.com ☐ EMail EDDs
Phone (973) 560-1400 **Fax** 1(973) 560-0400

P.O. #
Received 11/21/2005 17:00
Verbal Due 12/8/2005
Report Due 12/15/2005

Report To
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Paul Schatz

Bill To
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Paul Schatz

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
12580-001	B-19	6 / 6.5	11/21/2005@09:00	Soil	mg/Kg	2
12580-002	B-20	5.5 / 6	11/21/2005@09:45	Soil	mg/Kg	2
12580-003	B-21	6 / 6.5	11/21/2005@10:30	Soil	mg/Kg	2
12580-004	B-22	5 / 5.5	11/21/2005@11:00	Soil	mg/Kg	2
12580-005	B-23	6 / 6.5	11/21/2005@11:30	Soil	mg/Kg	2
12580-006	B-24	6.5 / 7	11/21/2005@12:00	Soil	mg/Kg	2
12580-007	B-25	2 / 2.5	11/21/2005@13:00	Soil	mg/Kg	2
12580-008	B-27	6 / 6.5	11/21/2005@13:30	Soil	mg/Kg	2

Sample #	Tests	Status	QA Method
001	PP VOA + 10 - MeOH Preserved	Run	8260B
002	PP VOA + 10 - MeOH Preserved	Run	8260B
003	PP VOA + 10 - MeOH Preserved	Run	8260B
004	PP VOA + 10 - MeOH Preserved	Run	8260B
005	PP VOA + 10 - MeOH Preserved	Run	8260B
006	PP VOA + 10 - MeOH Preserved	Run	8260B
007	PP VOA + 10 - MeOH Preserved	Run	8260B
008	PP VOA + 10 - MeOH Preserved	Run	8260B

11/22/2005 08:34 by Ellen - NOTE 1

VO COLLECTED IN ENCOR TO BE TRANSFERRED TO METHANOL.

PLEASE MEET SCC MDLs.

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

LABORATORY CUSTODY CHRONICLE

Case No. E05-12580

Client EWMA - HQ

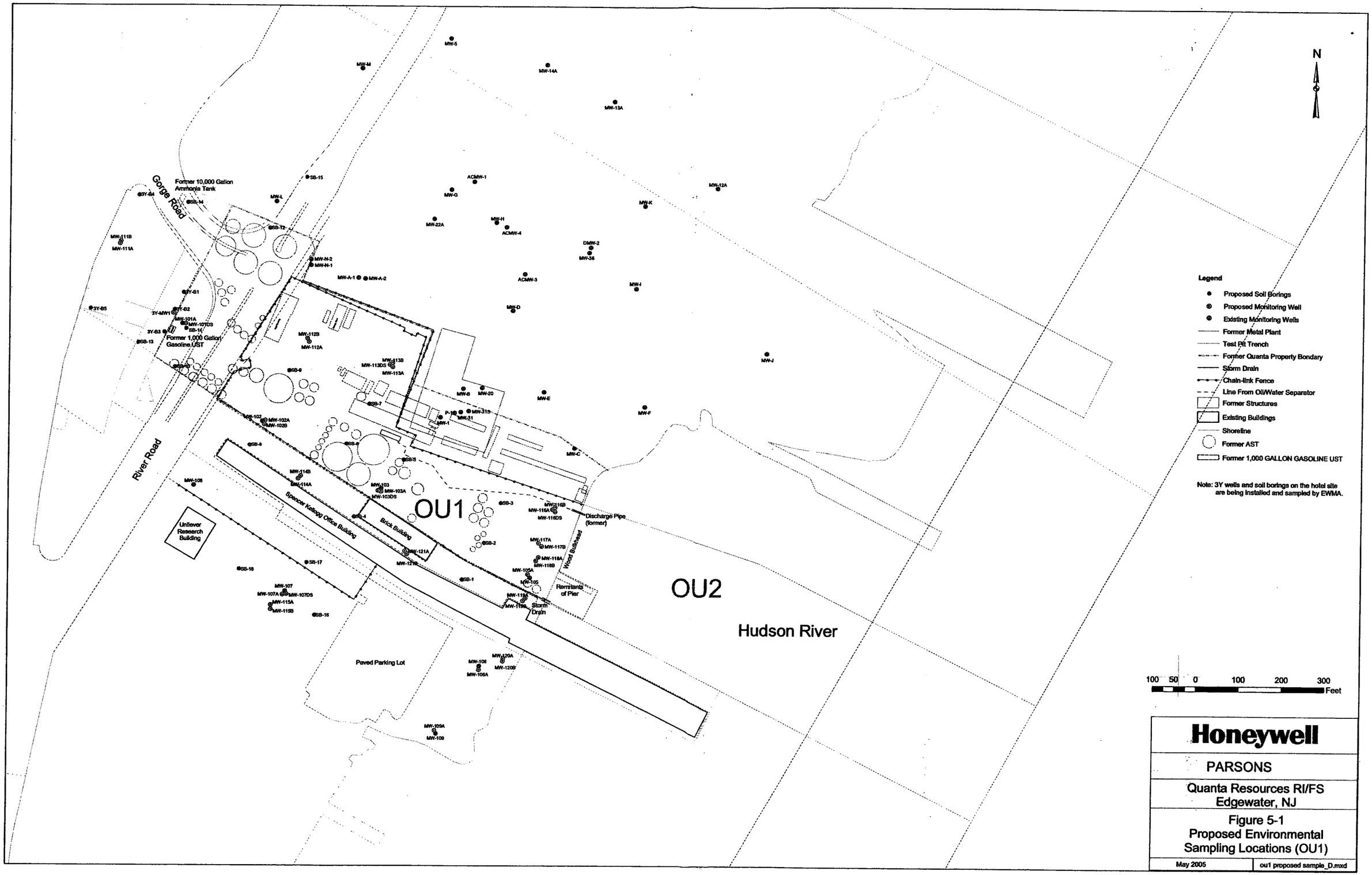
Project 163 OLD RIVER RD.

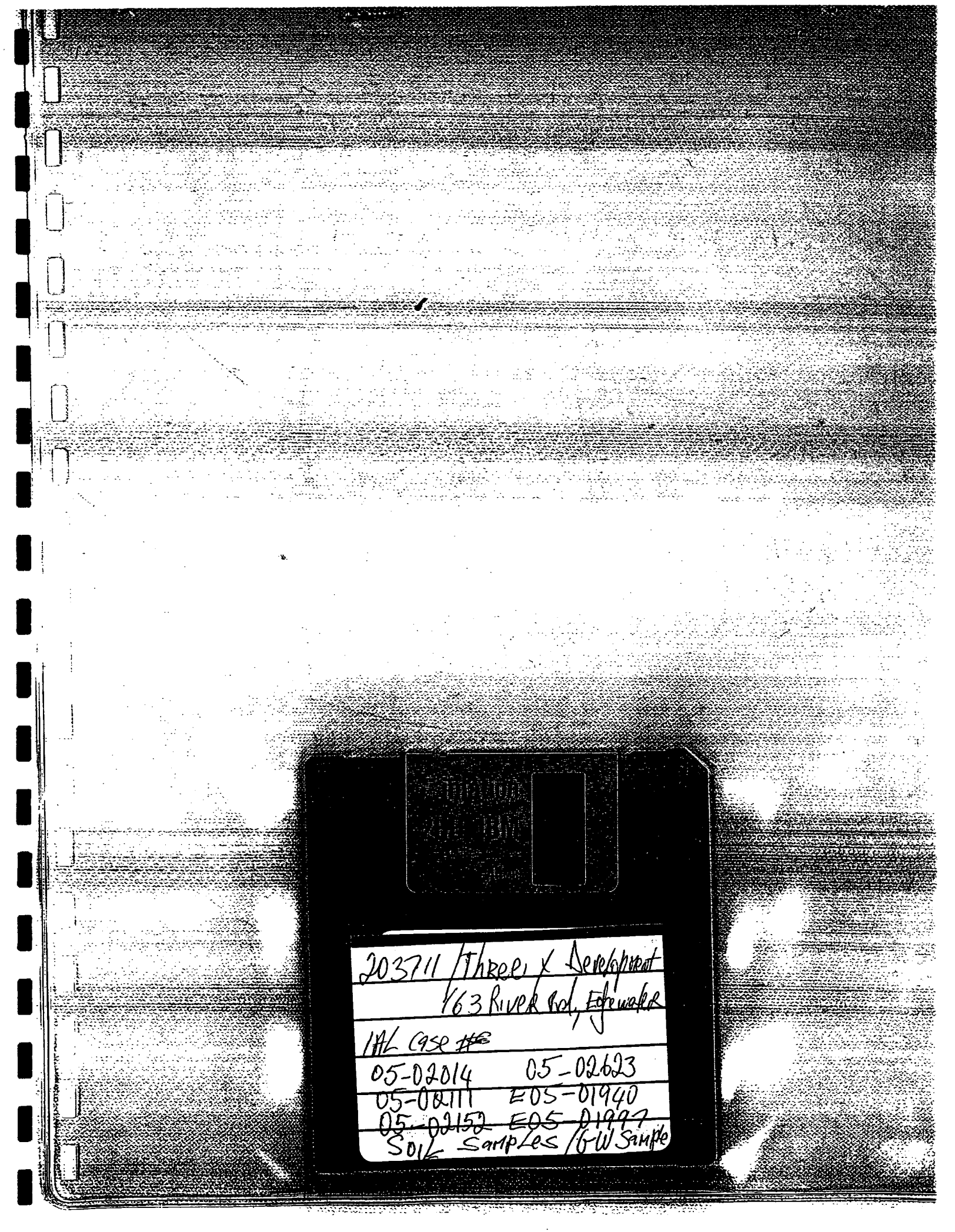
			Preparation		Analysis	
			Date / Time	Analyst	Date / Time	Analyst
Department: Volatiles						
PP VOA + 10 - MeOH Preserved	12580-001	Soil	n/a	n/a	12/2/05	Xing
"	-002	Soil	n/a	n/a	12/2/05	Xing
"	-003	Soil	n/a	n/a	12/2/05	Xing
"	-004	Soil	n/a	n/a	12/2/05	Xing
"	-005	Soil	n/a	n/a	12/2/05	Xing
"	-006	Soil	n/a	n/a	12/2/05	Xing
"	-007	Soil	n/a	n/a	12/2/05	Xing
"	-008	Soil	n/a	n/a	12/2/05	Xing

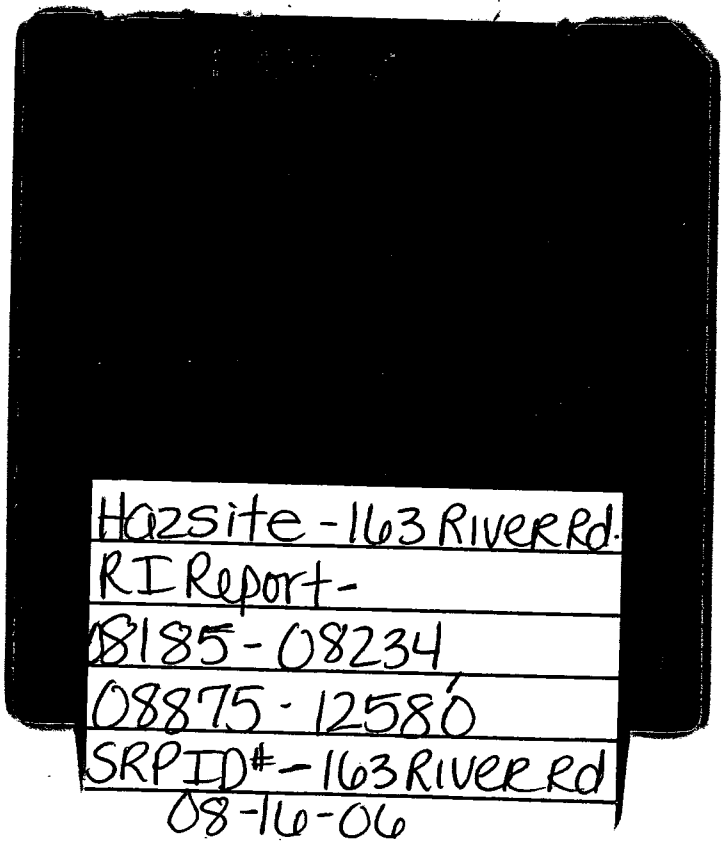
Review and Approval: R Ramsay Shades

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

December 05, 2005


N
Gorge Road
River Road
Former 10,000 Gallon Ammonia Tank
Former 1,000 Gallon Gasoline UST
Unilever Research Building
Spencer Kellogg Office Building
Brick Building
Wood Bulkhead
Remnants of Pier
Storm Drain
Discharge Pipe (former)
Paved Parking Lot
OU1
OU2
Hudson River
MW-S
MW-M
MW-14A
MW-13A
MW-12A
MW-K
MW-L
SB-15
SB-M
3Y-B4
ACMW-1
MW-G
MW-22A
MW-H
ACMW-4
DMW-2
MW-3S
MW-111B
MW-111A
MW-N-2
MW-N-1
MW-A-1
MW-A-2
ACMW-3
MW-I
MW-D
3Y-B1
3Y-B2
3Y-B5
3Y-MW1
MW-101A
MW-101DS
SB-14
3Y-B3
SB-13
MW-112B
MW-112A
MW-J
MW-113B
MW-113DS
MW-113A
SB-9
SB-8
MW-8
MW-20
MW-E
SB-7
P-10
MW-31S
MW-31
MW-1
MW-F
MW-102
MW-102A
MW-102B
SB-6
SB-5
MW-C
MW-114B
MW-114A
MW-108
MW-103
MW-103A
MW-103DS
SB-3
MW-116B
MW-116A
MW-116DS
SB-4
SB-2
MW-117A
MW-117B
MW-121A
MW-121B
MW-118A
MW-118B
MW-105A
MW-105
SB-1
MW-119A
MW-119B
SB-18
SB-17
MW-107
MW-107A
MW-107DS
MW-115A
MW-115B
SB-16
MW-120A
MW-106
MW-120B
MW-106A
MW-109A
MW-109
Legend
Proposed Soil Borings
Proposed Monitoring Well
Existing Monitoring Wells
Former Metal Plant
Test Pit Trench
Former Quanta Property Bondary
Storm Drain
Chain-link Fence
Line From Oil/Water Separator
Former Structures
Existing Buildings
Shoreline
Former AST
Former 1,000 GALLON GASOLINE UST
Note: 3Y wells and soil borings on the hotel site are being installed and sampled by EWMA.
100 50 0 100 200 300
Feet
Honeywell
PARSONS
Quanta Resources RI/FS
Edgewater, NJ
Figure 5-1
Proposed Environmental Sampling Locations (OU1)
May 2005
ou1 proposed sample_D.mxd


203711 Three X Development
163 River Rd, Edgewater
IHL Case #'s
05-02014 05-02623
05-02111 E05-01940
05-02150 E05-01997
Soil Samples / GW Sample



Hazsite - 163 River Rd.
RI Report -
18185 - 08234
08875 - 12580
SRPID# - 163 River Rd
08-16-06